

## Personal Information:

1.	Name Designation Office Address  Telephone No. Fax No. Email  Residential Address  Telephone No. Mobile No. Indian Passport No.	<p><b>Nayak Dileep Kumar Krishna</b>  <b>Principal</b>  <b>V.P.M.'s Polytechnic, 'Jnanadweepa',</b>          College Campus,          Chendani, Bunder Road,          Thane (W.) – 400601 (MS).          9122-2544 65 51 / 9122-2536 44 94 / 9122-2533 98 72          9122-2533 98 72          dknayak@vpmthane.org</p>  <p>S3/903, Imperial Heights, Opp. D.K. Stadium, Thane (West) – 400601.          Maharashtra State.          9122-2537 74 34          9004690478          Z 1728676 Valid Upto 28/09/2018</p>						
2.	Date of Birth	Sixth July Nineteen Sixty Two (06-07-1962) (54 years)						
3.	Educational Qualification	<b>Sr. No.</b>	<b>Qualification</b>	<b>Institute / School</b>	<b>University / Board</b>	<b>Year of passing</b>	<b>% of Marks</b>	<b>Class Obtained</b>
		1	Ph.D (Electronics)	VJTI, Mumbai	Mumbai	2010 – Till Date	-	<b>In Progress (Defense Viva remaining)</b>
		2	M.E. (Comp. Engg.)	VJTI, Mumbai	Mumbai	1991	62.70	First
		3	B.E. (Elec & Comm. Engg.)	SJCE, Mysore	Mysore	1984	70.63	Distinction
4.	Experience in Years	Teaching : 31 Industry : 01 Research : <b>Registered for Ph.D</b> at VJTI, Mumbai since January 2010 on the subject “ <b>Hydrogen Storage Studies of Ammonia Borane</b> ”						
5.	Member / Fellowship of Professional Societies	1. Fellow : The Institution of Engineers(India) (F-118753-4) 2. Member Instrument Society of America 3. Life Member Indian Society for Technical Education (LM9293) 4. Member Computer Society of India 5. Life Member Indian Institution Of Industrial Engineering (LM 9297 21)						

**6. Professional Record (Reverse chronological order):**

Sl. No.	Name & Address of the Employer	Period of service in each post		Designation of post held	Nature of work and level of responsibilities
		From	To		
1	<b>Vidya Prasarak Mandal, Thane</b> Dr. Bedekar Vidya Mandir, Vishnu Nagar, Naupada, Thane (West)-400602, Maharashtra, India.  <b>Institute - V.P.M.'s Polytechnic, Thane</b>	01-06-2004	Onwards	<b>Principal</b>	Administration, Policy implementations, Ensuring conducive learning ambience
2		01-01-1996	31-05-2004	<b>Additional Charges as Vice Principal</b>	Development of Lab, Modernisation, Teaching, Arranging Training programmes
3		01-08-1989	31-05-2004	<b>Head of the Department</b>	Development of Lab, Modernisation, Teaching, Arranging Training programmes
4		01-08-1985	31-07-1989	<b>Lecturer and Incharge of the Department</b>	Delivery of subject lecture as per teaching plan

**7. Industrial Experience:**

Sl. No.	Name & Address of the Employer	Period of service in each post		Designation of post held	Nature of work and level of responsibilities
		From	To		
1	M/s B.E.E. Electronic Pvt. Ltd., Mumbai	01-01-1985	31-07-1985	Development Engineer for Photocopier Machines	Development of SMPS for Photocopier machines
2	Siemens Limited, Kalwa	01-06-1990	31-07-1990	Trainee	Two months industrial training in software division as a part of M.E. Programme

**8. Papers presented in National / International Seminars / Symposia:**

Sl. No.	Title of Paper	Name of Seminar	Year
1	Should Industries affiliate Institutes	SGGS College of Engineering and Technology, Nanded	27-28 Jan. 1991
2	Industry – Institute Interaction V.P.M.'s Polytechnic, Thane – A case study	ISTE XXI–Annual convention, Anna University, Madras	14-16 Dec. 1991
3	Role of Technical Institutions and Industries	ISTE XXIII–Annual convention, KREC, Suratkal, Karnataka	26-28 Dec. 1993
4	Employability through IT	ISTE IX–State Convention and National Seminar, VYWS's College of Engineering, Amravati	4-5 Feb. 2005
5	Impact of globalisation and IT	ISTE IX–State Convention and National	4-5 Feb. 2005

Sl. No.	Title of Paper	Name of Seminar	Year
	revolution on Technical education	Seminar, VYWS's College of Engineering, Amravati	
6	Storage of Hydrogen through Carbon Nanotubes	International Hydrogen Energy Congress and Exhibition, Istanbul, Turkey	13-15 July. 2005
7	Energy of Future – Hydrogen	National Seminar on Alternative Energy Sources, V.P.M.'s Polytechnic, Thane	27-28 August 2005
8	Socio-economic aspects of Hydrogen Energy-Indian Perspective	International Forum "Hydrogen Technologies for Energy Production", Moscow, Russia <b>Supported by AICTE, New Delhi</b>	6-10 February 2006
9	Storage of Hydrogen in Carbon Nanotubes	International Forum "Hydrogen Technologies for Energy Production", Moscow, Russia <b>Supported by AICTE, New Delhi</b>	6-10 February 2006
10	Storage of Hydrogen in Carbon Nanotubes	International Workshop on Hydrogen Energy Production, Storage and Application, Jaipur, Rajasthan	6 November 2006
11	Role of Polytechnic in Technology Change Over for Alternative Energy Areas	XI State Convention of ISTE, Government College of Engineering, Aurangabad	2-3 December 2006
12	Innovation & Technology Transfer Through Polytechnic Institutions	37 <sup>th</sup> ISTE Annual Convention and National Seminar, Manipal Institute of Technology, Manipal	17-19 December 2007
13	Ethics in Professional Education	37 <sup>th</sup> ISTE Annual Convention and National Seminar, Manipal Institute of Technology, Manipal	17-19 December 2007
14	Nanotechnology in Corrosion Prevention	National Conference on Latest Trends in Nanotechnology, V.P.M.'s Polytechnic, Thane	5 <sup>th</sup> January 2008
15	Optimization of Hydrogen Storage and Addressing Safety Issues (Poster)	International Conference on Hydrogen and Hydrogen Storage- Methods and Materials, Indian Institute Of Science, Bangalore, India	3-6 January 2009
16	Renewable Energy Efforts - Special Focus on reduction of Global Warming	Salzburg Seminar Session 463 on "Greening the Minds: Universities, Climate Leadership, and Sustainable Futures", Salzburg, Austria <b>Fulbright-Hays Federal Assistance Award of U.S. Department of State</b>	11-16 July 2009
17	Renewable Hydrogen Fuel for automobiles	Vision 2011 – National level Conference on Emerging trends in Technology at BVIT-Navi Mumbai <b>Received Best Paper Award</b>	11 <sup>th</sup> March 2011

Sl. No.	Title of Paper	Name of Seminar	Year
18	Hydrogen Storage In Amine Borane Complexes	The 3 <sup>rd</sup> International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), Kuala Lumpur, Malaysia	22-23 November 2011
19	Future Polytechnics	43 <sup>rd</sup> ISTE National Annual Convention, TKIET, Warananagar, Kolhapur	19-21 December 2013
20	Potential of Hydrogen Fuel for Automotive Applications	Tech Streams <sup>SM</sup> National Conference, MES Pillai HOC College of Engineering & Technology, Rasayani	21-22 February 2014

## 9. Journal Publications

- Dileep Kumar, S.K. Mahajan, H.A. Mangalvedekar (2013), Dehydrogenation of Ammonia Borane with catalytic thermal decomposition, International Journal of Advancements in Research & Technology, Volume 2, Issue 7, July-2013, pp. 478-483, ISSN 2278-7763.
- Dileep Kumar, S.K. Mahajan, H.A. Mangalvedekar (2014), Nano Nickel Catalytic Dehydrogenation of Ammonia Borane, Journal of Materials for Renewable and Sustainable Energy, Volume 3, Number 2, pp. 1-7 ISSN 2194-1459.
- Dileep Kumar, H.A. Mangalvedekar, S.K. Mahajan, A.C. Gangal (2015), Kinetic Studies of Pristine and Nanonickel catalyzed Ammonia Borane, Journal of Alternate Energy Sources and Technologies, Volume 6, Issue 1, pp. 7-13, ISSN 2321-5186.
- Dileep Kumar, H.A. Mangalvedekar, S.K. Mahajan (2016), Fuel Cell Power Conditioning for Low Power Applications, Journal of Electronic Design and Technology, Volume 7, Issue 3, pp.13-23, ISSN 2321-4228.

## 10. Conferences Organized by V.P.M's Polytechnic, Thane

Sl. No.	Title of Conference	Supported By	Year
1	One Day National Seminar on Pollution of Water Bodies in Urban Area	<ul style="list-style-type: none"> <li>AICTE, New Delhi</li> </ul>	08-08-2004
2	Two Days National Seminar on Alternative Energy Sources	<ul style="list-style-type: none"> <li>Ministry of Non-conventional Energy Sources, Govt. of India.</li> </ul>	27-08-2005 to 28-08-2005
3	Two Days National Seminar on Geo Informatics	<ul style="list-style-type: none"> <li>Department of Information Technology, Govt. of India.</li> <li>Indian Space Research Organization,</li> <li>MSBTE, Mumbai</li> <li>Lavasa Corporation Ltd, Mumbai</li> </ul>	08-12-2006 to 09-12-2006
4	One Day National Seminar on Innovations in Safety, Health and Environment	<ul style="list-style-type: none"> <li>Syngenta India Ltd, Mumbai</li> <li>Huntsman(AISA Pacific) Pvt. Ltd, Singapore.</li> <li>Reliance Industries Ltd, Mumbai</li> </ul>	03-02-2007

<b>Sl. No.</b>	<b>Title of Conference</b>	<b>Supported By</b>	<b>Year</b>
5	One Day National Conference on Latest Trends in Nanotechnology	<ul style="list-style-type: none"> <li>● Azim Premji Foundation Trust, Mumbai</li> <li>● L &amp; T infotech, Mumbai</li> <li>● MSBTE, Mumbai</li> <li>● Raymonds India Ltd. , Mumbai</li> </ul>	06-01-2008
6	One Day National Conference on Corrosion Prevention through Advanced Technologies	<ul style="list-style-type: none"> <li>● Hunstman Advanced Materials, Mumbai</li> <li>● Tata Power Ltd., Mumbai</li> </ul>	18-10-2008
7	One Day National Conference on Biometrics, Rfid, And Emerging Technologies For Automatic Identification "	<ul style="list-style-type: none"> <li>● MSBTE, Mumbai</li> <li>● Swastik Power Electronics(I) Pvt. Ltd, Thane.</li> </ul>	10-01-2009
8	One Day National Conference on "Advancements In Medical Instrumentation "	<ul style="list-style-type: none"> <li>● MSBTE, Mumbai</li> <li>● Lab INDIA, Thane</li> <li>● Satramdas Gases Pvt. Ltd., Navi Mumbai</li> </ul>	19-09-2009
9	One Day National Conference on "Safety Practices For Peace, Productivity And Profits"	<ul style="list-style-type: none"> <li>● Tata Power Ltd., Mumbai</li> <li>● ITD Cementation Ltd., Mumbai</li> <li>● AICTE, New Delhi</li> </ul>	10-10-2009
10	One Day National Conference on "Broader Perspectives of Language, Thinking and Technology"	<ul style="list-style-type: none"> <li>● MSBTE, Mumbai</li> <li>● Canara Bank</li> <li>● Chemical Process Equipments, Mumbai</li> </ul>	03-7-2010
11	One Day National Conference on "Technology – A Strategy for Safety in Infrastructure"	<ul style="list-style-type: none"> <li>● Hunstman Advanced Materials, Mumbai</li> <li>● ITD Cementation Ltd., Mumbai</li> <li>● Chemical Process Equipments, Mumbai</li> <li>● Ambuja Cements, Mumbai</li> </ul>	23-10-2010
12	One Day National Conference on "Future Power Systems for Green & Clean World"	<ul style="list-style-type: none"> <li>● Aditya Vidyut Appliances Ltd., Thane</li> <li>● MSBTE, Mumbai</li> <li>● Sachin Travels Ltd., Mumbai</li> </ul>	20-08-2011
13	One Day National Conference on "Progress and Prosper through Entrepreneurs & Intrapreneurs"	<ul style="list-style-type: none"> <li>● ITD Cementation India Ltd., Mumbai</li> <li>● Asian PPG, Mumbai</li> <li>● Chemical Process Equipments Pvt. Ltd., Mumbai</li> <li>● Aditya Vidyut Appliances Ltd., Thane</li> </ul>	15-10-2011
14	One Day National Seminar on "Emerging Trends in Solar Technologies"	<ul style="list-style-type: none"> <li>● Ministry of New and Renewable Energy, New Delhi</li> </ul>	05-01-2013
15	National Conference on "Process Safety Management"	<ul style="list-style-type: none"> <li>● Cinque Solution Pvt. Ltd, Andheri, Mumbai</li> </ul>	04-01-2014

<b>Sl. No.</b>	<b>Title of Conference</b>	<b>Supported By</b>	<b>Year</b>
16	Two Days National Conference on "Next Generation Electronic"	<ul style="list-style-type: none"> <li>• BRNS Grant from BARC, Mumbai</li> <li>• MSBTE, Mumbai</li> </ul>	16-01-2016 to 17-01-2016
17	One Day National Conference on "Industry Expectation from safety Managers"	<ul style="list-style-type: none"> <li>• ACC Ltd., Thane</li> <li>• Safety Messenger, Mumbai</li> <li>• Canara Bank</li> <li>• TJSB Bank</li> <li>• NKGSB Bank</li> <li>• Netel Chromotographs, Thane</li> </ul>	07-02-2015
18	One Day National Conference on "Life Safety Today & Tomorrow"	<ul style="list-style-type: none"> <li>• MSBTE, Mumbai</li> <li>• GP Parsik Bank</li> <li>• State Bank of India</li> <li>• Canara Bank</li> <li>• Eduforce, Mumbai</li> </ul>	19-12-2015
19	One Day National Conference on "Environment, Health & Safety"	<ul style="list-style-type: none"> <li>• MSBTE, Mumbai</li> <li>• GP Parsik Bank</li> </ul>	17-12-2015

#### **11. Conferences/Workshops/Training Programmes Attended**

<b>Sl. No.</b>	<b>Title of Conference/Workshop/Training Programme</b>	<b>Organised/Conducted By</b>	<b>Year</b>
1	Two day CEP course on Fuel Cells	Indian Institute of Technology (IIT) Bombay	16-17 December 2010
2	CEP International Course on Nanotechnology for Energy Applications	Indian Institute of Technology (IIT) Bombay	1-12 December 2008
3	Two week workshop on Introduction to Research Methodologies	Indian Institute of Technology (IIT) Bombay	25 June – 4 July 2012
4	Graticule 2005	GIS Development and CSDMS, New Delhi	3-4 October 2005
5	36 <sup>th</sup> Annual Convention & National Seminar on Quality, Sustainability and Social Responsibility: Interfaces in Technical Education in the Context of Globalisation	Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu	14-16 December 2016

## 12. Collaboration, MOU, National / International Linkages, Industry-Institute Interaction :

☐ I had been interacting with various industries for mutual benefit. Thane being one of the industrial cities we have good scope for different types of interactions such as industrial visit, guest faculty from industry, placement to students and training programme for industry workers. We have organized many training programmes for industrial workers in companies during 1990-2004 at the following companies.

- ApLab Electronics India Ltd.
- Bayer India Ltd.
- Gharda Chemicals Ltd.
- Colour Chem Ltd. etc.

A case paper in this activity has already been presented in ISTE convention during the year 1991.

☐ **MOU with Northern College, Timmins Ontario, Canada**

**For Education and employment opportunities for Diploma holders from MSBTE offering**

- Advanced Diploma in Electrical Engineering Technology
- Industrial Diploma in instrumentation Engineering Technology.
- College Diploma in Computer Engineering Technician w.e.f. Academic year 2010-11.

## 13. Member / Chairman of Boards or Committees:

(like Member of Board of Studies, Faculty of Engineering, Academic Council, Senate, Syndicate, State Level Committees, National Level Committees, Governing Bodies of Professional Societies etc.)

Sl. No.	Institute / Board	Designation	Committee	Period Since
1	Government Polytechnic, Mumbai	Member	Board of Studies	01-01-2000
2	M.H.S.S. Polytechnic, Byculla Mumbai	Member MSBTE-Nominee	Board of Studies	01-01-2004
3	KJS Polytechnic, Vidyavihar Mumbai	Member	Board of Studies	01-01-2004
4	M.S. Board of Technical Education	Member	State Level Courses Committee	03-01-2004
5	Industry Education Partnership Cell	Member	State Level Committee formed by Maharashtra Economic Development Council & MSBTE	01-08-2004
6	Curriculum committee of Dr. B.R. Ambedkar Polytechnic, Andaman & Nicobar Islands affiliated of M.S.B.T.E. Mumbai	Member	State Level Committee formed by MSBTE	01-08-2004
7	<b>Board of Apprenticeship Training Western Region, Mumbai.</b>	<b>Member</b>	<b>Governing Council</b>	31-12-2006 To 31-12-2009

#### **14. Awards Received:**

- a. Received Appreciation Award for Vocational Excellence on Engineer's Day 15<sup>th</sup> September 2006 from rotary Club of Thane North End.
- b. Received "Rashtriya Vidya Saraswati Puraskar" on Wednesday the 11th April 2007 from International Institute for Education and Management (IIEM), New Delhi in recognition of Outstanding Achievements in Technician Education.
- c. Received "**Rajarambapu Patil National Award for Promising Engineering Teacher (below 50 years of age)**" for creative work done in Technical Education (Polytechnics) from **Indian Society for Technical Education (ISTE), New Delhi** for the year 2008.
- d. Received **Indian Society for Technical Education (ISTE) - Narsee Monjee National Award for Best overall Performance for Polytechnic** in Maharashtra State for the year 2009.
- e. Received the **Best Chapter of ISTE Maharashtra and Goa section** for the year 2009.
- f. Received "**ISTE-Ranganathan Engineering College National Award for Best Polytechnic Principal**" from Indian Society for Technical Education (ISTE), New Delhi for the year 2014.

**Date : 1<sup>st</sup> February 2017**  
**Place : Thane**

**Prof. D.K. Nayak**  
**Principal**