




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	Dr. A.S. DEVARAJA	
Academic Designation	Professor	
Educational Qualification	BE., M. Tech., Ph. D	
Experience in Years	27	
Area of Interest	Gas Turbine Engines (Aerofoils)	
Date of Birth	17 May 1965	
Email ID	devarajas-me@dsatm.edu.in	

Educational Details

QUALIFICATIONS									
Type of Education	From (Date)	To (Date)	Qualification	Specialization /Discipline	Institute/ Board/ University	State/ Country	Type of course (Full Time/Part time)	%age/ CGP A	Division
Graduation	1984	1988	B E	Mechanical	University of Mysore	Karnataka	Full time	60.90	First
Post-Graduation	1989	1992	M. Tech	PEST	Kuvempu University (GBDTCE)	Karnataka	Full time	66.13	First
Philosophy	1996	2005	Ph. D	High speed axial flow compressors	Bangalore University	Karnataka	Part time	-	awarded
Hindi	1978	1982	Hindi Rathna	Hindi	Mysore Hindi Pracharaparsad	Mysore	Part time	55%	Second

Personal Details

- Date of Birth: 17/05/1965
- Hobbies: Reading News papers, sports etc.
- Languages Known: English, Kannada & Hindi

Professional Experience

SL	Employer	Position	Subject	Date of	Date of	Grass

No		Held	taught	Joining	leaving	Salary
1	DSATM, Bangalore	Professor	MED-1 Engg. Graphics TM FM EE Energy and environme nt	02.02.2015	Till date	1,06,999/- pm
2	Jawahar college of Engg& technology Palakad dist. Kerala state	Professor & PRINCIPA L	Introductio n to Aerodyna mics -Engg graphics Administra tion	August 2008	December 2015	1,10,000/- pm
3	CITY Engineering college, Bangalore	Asst. Professor & HOD	Fluid Mechanics Engg graphics	Jan 2006	March 2006	15,000/- mm
4	DBIT Bangalore	Asst. Professor	EME Engg. Graphics Fluid Mechanics BTD. Etc.	June 2005	Aug 2008	42,000/- pm
5	SVCE, Bangalore	Lecturer	Engg. Graphics EME	July 2005	Dec 2005	14,000/- pm
6	SMVIT, Bangalore	Lecturer	IM Eng. Graphics M/c Drawing EME PT 1, PT2 & PT3	April 1993	June 2005	9.000/- pm
7	IIT, Bangalore	Lecturer	Engg. Graphics EME	Nov 1992	March 1993	5,000/- pm (App)
8	NAL, Bangalore	Post Graduate Trainee	Research work	Jan 1992	Oct 1992	3,000/- Pm
9	PACE Equipment's (P) ltd. Bombay	Inspection Engineer	Inspection work	July 1989	Nov 1989	900/- pm

Publications

International Journals:

1. Micro mechanical analysis of Hybrid Composites. International Journal of Advanced research Volume 5, Issue 7, 820-824, July 2017.
2. Modeling and analysis of NASA stator 67B Aerofoil by using Finite Element method and comparative studies with Q11 and MCDA Aerofoils
IEEE Journal, ICATIECE-2019, at DSATM Bangalore.

International Conferences & National Conferences

Name of the conference: National conference on “Emerging trends in Mechanical Engineering”

ETIME-2008 at BMSCE Bangalore-04.

1. ET27- **Dr. A. S. DEVARAJA¹ Dr. G.R. SRINIVASA² Dr. M.V.A MURTHY³**
AERODYNAMIC DESIGN AND ANALYSIS ON HIGH SPEED AXIALFLOW COMPRESSOR STAGE.
PART-I- AN APPROACH ON PERFORMANCE STUDIES.
2. ET28- **Dr. A. S. DEVARAJA¹ Dr. G.R. SRINIVASA² Dr. M.V.A MURTHY³** DESIGN AND ANALYSIS OF DEV_SERIES MODIFIED CONTROLLED DIFFUSION AEROFOILS SECTIONS AND COMPARISON WITH CONVENTIONAL AEROFOIL SECTIONS FOR HIGH SPEED AXIAL FLOW COMPRESSOR STAGE.
3. ET26- **Dr. G.R. SRINIVASA¹ Dr. A. S. DEVARAJA²** AUTOMATION OF VENTURIMETER EQUIPMENT FOR FLUID MECHANICS LABORATORY
4. P13- **Prof. Dr. A.S. DEVARAJA & JOHN GEORGE**
MODELLING AND ANALYSIS OF HIGH SPEED AXIAL FLOW COMPRESSOR STAGE HAVING DEV_SERIES MCDA CASCADE AND COMPARISON WITH CONVENTIONAL CASCADE

Name of conference: Modern trends in power engineering and power plants.

5. **JOHN GEORGE & Prof. Dr. A.S. DEVARAJA**
CONCEPTUAL APPROACH OF UNMANNED COMBT AERIAL VEHICAL
Name of the conference: National conference on emerging trends and Challenges in Aviation Industries.

6. **Dr. A.S. Devaraja & H.S. Muralidhara**
CONCEPTUAL MODEL STUDIES (FABRICATION & TESTING) OF A TURBOFAN ENGINE

Name of the International conference : ICDAME 2011, SKP College of engineering, Thiruvannamali, Tamilnadu.

7. **Dr. A.S. DEVARAJA THEORETICAL & EXPERIMENTAL STUDIES ON AXIAL FLOW COMPRESSOR STATOR CASCADE**

Name of the International conference: International Conference on Safety by Design ICSBD2013, Jawaharlal college of engineering & technology , Lakkidi, Mangalam, Palakkad Dist. Kerala state

– www.jcet.co.in

2018-19

1	<p><i>Modeling and Analysis of NASA Stator 67B Aerofoil by using Finite Element Method and Comparative studies with Q11, MCDA Aerofoils.</i> IEEE, International conference ICATIECE-2019 at Dayananda Sagar Academy of Technology and Management, Bangalore.</p>
2	<p>Design and Analysis of 3D Modified controlled diffusion aerofoil (3DMCDA) section using finite element method and comparison with 2D modified controlled diffusion aerofoil (2DMCDA) section for axial flow compressor stator <i>National. Conference on Emerging Trends in Materials, Design and Manufacturing (NCMDM-2019), May 17-18, 2019 at JSSATE, Bangalore.</i></p>
3	<p>Development and Investigation of Cenosphee filled jute E-glass fiber hybrid composites NCCSTM-2019, at Dayananda Sagar Academy of Technology and Management, Bangalore.</p>
4	<p>Fabrication and testing of Compressed Air Powered Engine NCCSTM-2019, at Dayananda Sagar Academy of Technology and Management, Bangalore.</p>
5	<p>Ultrasonic Breaking system with Accelerator pedal Disengagement NCCSTM-2019, at Dayananda Sagar Academy of Technology and Management, Bangalore.</p>

6	Design and fabrication of a wind turbine (Non-conventional) NCCSTM-2019, at Dayananda Sagar Academy of Technology and Management, Bangalore.
2017-18	
7	Multipurpose Agricultural Root (Switch Operated) NCCSTM-2018, at Dayananda Sagar Academy of Technology and Management, Bangalore.
8	GREENROID: Energy efficient Mobile application Processor NCCSTM-2018, at Dayananda Sagar Academy of Technology and Management, Bangalore.
9	Fabrication of dual powered Groundnut Harvester NCCSTM-2018, at Dayananda Sagar Academy of Technology and Management, Bangalore.
2016-17	
10	Micromechanical Analysis of Hybrid Composites International Journal of Advanced Research, Vol 5, issue 7, 820-824, July 2017
11	An Approach for Development and Testing of solar cell by using TiO ₂ and Raspberry fruits NCCSTM-2017, at Dayananda Sagar Academy of Technology and Management, Bangalore.
12	CAD modeling and finite element static analysis of a new setup for the space

Abroad paper presentation:

1. On 08-08-2006, Dr. G.R.Srinivasa, Director-DSCE & Incharge HOD-Dept of IEM, and A.S. Devaraja, Research Scholar, presented a paper on "Control Diffusion Aerofoils and Design of High Pressure Ratio Axial flow Compressor Stage" in the Aerospace Department of Georgia Institute of Technology, Atlanta – USA during his visit to USA on vacation. Work done under this paper is Mr. A.S. DEVARAJA'S, Ph. D work submitted in Bangalore University, Bangalore.

Conference Attended

IEEE conference

Seminar Attended

Workshop Attended

a) Fourth NAL-CAE workshop on advanced Gas Turbine Technologies-I (Turbo-machinery), which has been attended from 10-12 June 1997. Organized by Propulsion Division of National Aerospace Laboratories, Bangalore. b) National symposium on acoustics, which has been organized in the college. And many more workshop attended not reported here.

Patents published with All Details

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Research Grants fetched with File No.

Sl. No.	Title of the project	Sponsoring Agency	Amount of Grant	Period	Present status
1	Theoretical & Experimental studies of transonic stator having controlled diffusion aerofoils and comparison with conventional aerofoils.	Council of Scientific & Industrial Research	INR 7,31,300/-	36 months	closed

Student Project Funds Fetched with Grant No.**Consultancy Amount Fetched with Details**

2	CFD work – steam valves	Starcom	INR 800 per hour	6 months	closed
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Awards**Academic Activity**

- NAAC
- NBA
- CONSULTANCY
- R&D
- EXTERNAL DCS
- LAB INCHARGE

Faculty Development Activity/Workshops

SL. NO.	Nature of the course	Organising Agency	Place	Duration	
1	Augmented & Virtual Reality Interfaces for 3D printing and Design	DSATM	Bangalore	28.1.20	1.2.020
2	Recent Innovations in Manufacturing and Welding Technology	DSATM	Bangalore	28.6.19	2.7.19
3	Intellectual property rights	DSATM	Bangalore	14.2.19	15.2.19

4	Research Opportunities on materials and Manufacturing	DSATM	Bangalore	16.1.19	20.1.19
5	OBE practices	DSATM	Bangalore	18.1.18	19.1.19
6	Computer Aided Design, Modelling and Analysis of Mechanical Systems	DSATM	Bangalore	8.1.18	11.1.18
7	3 day NBA Workshop 2017	DSATM	Bangalore	12.12.17	13.12.17
8	Accreditation process for Technical Educations	JSSATE	Bangalore	26.8.16	27.8.16
9	Computer Aided Engineering and Robust Design	SKPEC	Thiruvannamalai	23.8.13	24.8.13

Contact Details

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