

Resume of Dr. Ch. S. N. Murthy

Name : Dr. Ch. S. N. Murthy
Highest Qualification : Ph. D
Present Position : Professor
Address for Communication : Department of Mining Engineering National Institute of
Technology Karnataka, Surathkal
P.O Srinivasnagar – 575025
Mangalore, Karnataka State
Telephone: (0824) 2474000 Ext-3372(0)
(0824) 2474372 (R)
Fax: (0824) 2474033
E-mail: chsn58@gmail.com

Academic Qualification

Degree	University/ Board	Year of awarding degree
Ph.D	I.I.T, Kharagpur	1999
M.Tech	Indian School of Mines	1987
B.E	Osmania University	1980
Inter- mediate	Board of International Education, AP State	1975
S.S.C	Board of Secondary Education, AP State	1973

Professional Experience:

- Worked as Head of the Department (Mining Engineering) from 9-6-2004 to 25-6-2008
- 25 years of Teaching and Research Experience at various levels of UG, M.Tech., R & D projects, B. Tech projects and Ph. D guidance at NITK, Surathkal
- 5 1/2 years of Industrial experience in M/s The Singareni Collieries Co.Ltd., AP.State.
- Associated with Departmental R & D and Consultancy Projects and responsible for development of infrastructure in the Department in the areas of Rock Drilling Laboratory, Mine Surveying and Mining Machinery Laboratory.

Major Areas of Research interest:

- Underground Coal Mining
- Mine Surveying
- Rock Drilling
- Mine Planning
- Ground Control
- Mine Mechanisation

Research Guidance

- Ph. D awarded : 04
- Ph. D guidance (on going) : 08
- M.Tech Project guided : 07
- B. Tech Projects : 68

Membership of professional Bodies

- Life Member of Indian Society for Technical Education.
- Life member of Mining, Geology and Metallurgical Society of India.
- Life member of Mining Engineers' Association of India
- Member of The Institution of Engineers (India)

As External Examiner

- Member in the panel of examiners for Mining Engineering of **Vishweshwarayya Technological University, Belgaum, Karnataka**, since **1997** as examiner for paper setting, practical and project viva-voce.
- Paper Setting: **Mine Surveying-I, Mine Surveying-II, Mine Legislation, General Safety, Underground Coal Mining, Mine Machinery-I, Mine Machinery-II, Underground Metal Mining, Mineral processing, Rock Mechanics and Ground Control. (V.T.U., Belgaum)**
- Practical Examination: **Mine Surveying Lab.-I, Mine Surveying Lab. -II, Mine Machinery Lab., Mine Ventilation Lab., Rock Mechanics Lab. and Project viva-voce. (V.T.U., Belgaum)**
- Member of **Board of Studies (B.O.S.)** of Mining Engg. in **Kakatiya University**, Andhra Pradesh during 2009-2011.

Visits to Abroad

- Presented a technical paper entitled "Operational characteristics of 120T Dumpers in a large Surface Iron Ore Mines in India" in **Second International symposium on "Mine Planning and Equipment selection in Surface Mines"** held at **University Calgary, CANADA** during **7th -9th Nov, 1990**.
- Presented a research paper entitled "Micro Seismic Monitoring of Longwall Strata to provide Real Time Instability Indications to Mine management at Rajendra Coal mine in India" during **42nd ARMA Symposium** held from **29th June to 2nd July, 2008** at **SanFrancisco, USA**.

Publications : Total No. 109

National Journals	:	20
International Journals	:	20
International Seminars	:	16
National Seminars	:	56

Professional Qualification: Holder of **Second Class Mine Manager's (Coal) (Unrestricted) Certificate**

Sponsored Projects Completed:

Modernization Scheme :

- Rock Mechanics Laboratory (**Rs. 8 Lakhs**) -sponsored by MHRD, Govt. of India. (Co-coordinator) - 1990
- Mine Environmental Engineering Laboratory(**Rs. 8 Lakhs**)- sponsored by MHRD, Govt. of India. (Co-coordinator)- 1990
- Mine Machinery Laboratory (**Rs. 12 Lakhs**) - sponsored by MHRD, Govt. of India (Principal Co - ordinator) – 2003

R&D Projects (Completed):

- Condition Monitoring and Performance Evaluation of Longwall Powered Supports, Sponsored by MHRD- Rs. 10 Lakhs (Co- Investigator) - 2003
- Evaluation, Design and Cost Analysis of Illumination system in Surface Mine Projects, sponsored by MHRD- Rs. 6.65 Lakhs (Co-investigator) – 2005
- Development of Bio- Diesel and its Application in Mining Machinery Working in Surface Mines sponsored by M/s Madras Cements Limited, Rs. 1.46 Lakhs (Principal Investigator) -2006

R&D Projects (On-going):

- Dust Modeling in Open-cast Coal Mines, Sponsored by Coal S & T, Govt. of India. (**Co-Investigator**), Rs. 77.04 Lakhs- 2011-2014.

Consultancy Projects:

- Determination of percentage of minerals of quarry waste. (Principal Investigator)
- Determination of Mechanical properties of Granite. (Principal Investigator)
- Determination of Rock Properties-Mis SAN EXIM Pvt. Ltd. (Principal Investigator)
- Determination of Rock Properties-Mis Jaisu Shipping Co Pvt. Ltd.(Co-Investigator)
- Testing of Rock Properties-Mis Poabs Granite Pvt. Ltd., (Investigator)

National Seminars /Conferences/ Workshops Attended (Last 7 Years)

- National workshop on " Pragmatic Management of Industrial Pollution (PMIP-2004) held at NIT Rourkela from Nov. 20-20; 2004 organized by Department of Chemistry, NIT,

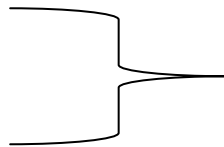
Rourkela.

- National seminar on "Mineral Exploration, Mining and Mineral Beneficiation: A road map to vision 2020 held at Anna University Chennai from 20-21 May 2005, organized by Mining Engineers' Association of India, Tamil Nadu.
- 1st Asian Mining Congress held at Kolkata from 16th to 18th Jan. 2006; organized by The Mining, Geological and Metallurgical Institute of India.
- Indo- Australian National Workshop on "Longwall Mining" at Kolkata from 19th to 20th Jan 2006 organized by Journal of Mines, Metals and Fuels.
- Geomine Tech Symposium on New Equipment- New Technology Management and Safety in Mining and Mineral and Mineral Based Industries held at Bhubaneswar On 11th and 12th May 2006.
- Geomine Tech Symposium on New Equipment- New Technology Management and Safety in Mining and Mineral and Mineral Based Industries held at Bhubaneswar on 11th and 12th May 2007
- 42nd Annual American Rock Mechanics Association Symposium held at San Francisco, U.S.A., during 29th June to 2nd July, 2008.

Administrative Responsibilities:

At Department Level:

- H.O.D
- Chairman of DRPC
- Chairman of DPGC
- Chairman of DUGC



During 2004-08

- Chairman of BOE(2000 scheme)
- President of Society of Mining Engineers
- Coordinated the activities of Procurement of Equipments under TEQIP
- Established New laboratory i.e., Mine Design under TEQIP
- Established & Developed New laboratory i.e., Mining Machinery under MHRD' s Modernization Scheme

Institute Level:

- Member of Senate
- Faculty Advisor

Outside Institute Level:

- **Examiner for Mining Engineering in Visvesvaraya Technological University, Belgaum.**
- **Member of Board of Studies for Mining Engineering, Kakatiya University.**
- Member of National Organizing Committee of National Symposium organized by Orissa School of Mines, 29th to 30th Oct 2005.
- Member of National Organizing Committee of National Symposium on "Bio-fuels" Organized by Department of Mechanical Engineering, March 2006.

Visited following colleges as Expert member of NBA:

- Arunai Engineering College, Velunagar, Thiruvannamalai, Tamilnadu-606603, 21st-22nd April, 2011.
- Cummins College Of Engg. For Women, Pune, 2nd-24th July, 2011.
- Thiruvalluvar College of Engg., Kanchipuram, Tamilnadu, 19th-21st Aug, 2011 .
- Bharathi Vidhyapeth College of Engg., Navi Mumbai, 30th Sep- 2nd Oct' 2011

International/National Seminars /Conferences/ Workshops/Programs organized:

- Organized AICTE/ ISTE STTP on "**Recent Trend in Safety Analysis and Risk Assessment in Mineral Based Industries**", January 10-22, 2000 (**Principal Co-coordinator**)
- Organized a workshop on "**Effects of Noise on Human Health**" sponsored by TEQIP(2004) (**Co-Ordinator**).
- Organized a workshop on "**Road Safety**" sponsored by TEQIP(2005) (**Co-Ordinator**).
- Organized a workshop on "**UG curriculum Development**" sponsored by TEQIP (2005) (**Co-Ordinator**).
- Organized a workshop on "**PG curriculum Development**" sponsored by TEQIP (2005) (**Co-Ordinator**).
- Organized a training Programme on "**Development of Skills in Leveling and Earth Work Calculations**" sponsored by TEQIP (2006) (**Co-Ordinator**).
- Organized a National Seminar on "**Synergy in Mineral Sector for Sustainable Development - Vision 2020**" from 4th and 5th October, 2008 (**Convenor**).

- Organized a Winter School on “**Clean Coal Technology**” during Jan 2009, sponsored by MHRD/AICTE, Govt. of India (**Co-Ordinator**).
- Organized a Summer School on “**Recent Development in Rock Excavation Technology and Management**” during July 2009, sponsored by MHRD/AICTE, Govt. of India (**Co-Ordinator**).
- Organized a “**Certificate Course in Mine Surveying**” in June/July 2009(**Co-Ordinator**).
- Organized a “**Certificate Course in Mine Surveying**” in October 2009 (**Co-Ordinator**).
- Organized an International Symposium on “**Emerging trends in Environment, Health and Safety Management in Mining and Mineral based industries**” from 21st and 22nd August, 2010 (**Convenor**).
- Organized a “**Certificate Course in Mine Surveying**” from 20th October to 12th November, 2010 (**Co-Ordinator**).
- Organized an Awareness programme on “**Zero Tolerance to Ragging**” on 11.2.2011.
- Organized a “**Certificate Course in Mine Surveying**” from 4th June to 3rd July, 2011 (**Co-Ordinator**).
- Organized MHRD/AICTE sponsored Summer School on “**Recent Developments in Environmental Management in Mining and other Core Industries (EMMCI-2011)**” from 27th June to 1st July, 2011 (**Co-ordinator**).
- Organized a “**Certificate Course in Mine Surveying**” from 28th May to 23rd June, 2012 (**Co-Ordinator**).
- Organized a “**Certificate Course in Mine Surveying**” from 1st- 27th October, 2012 (**Co-Ordinator**).
- Organized a “**Certificate Course in Mine Surveying**” from 30th October- 22nd November 2013(**Co-Ordinator**).