

CONTACT

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Dr. Yunis Ahmad Dar

Assistant Professor
(Mechanical Engineering)



EDUCATION

Ph. D.

(Mechanical Engineering/ Manufacturing and Materials Science Engineering)
GRADE 1ST/ 8.7 GPA
Aug.-2018 – Feb.-2024

National Institute of Technology, Srinagar, J&K, India

M. Tech.

(Production Engineering)
GRADE 1ST / 72.27%
Sep.-2013 – Jun.-2015

Guru Nanak Dev Engineering College-Ludhiana/ P.T.U, Jalandhar, Punjab, India

B. E.

(Mechanical Engineering)
GRADE 1ST / 71.33%
Sep.-2007 – Sept.-2011

Kashmir University, Srinagar, J&K, India

Matriculation

(N.C.E.R.T)
GRADE Distinction / 79.4%
Jan. 2005

J.K.S.B.O.S.E.

AutoCADD (2D+3D)

Autodesk (Mechanical +Civil)
Jun-July, 2012

Cad Avenue, Srinagar, J&K.

WORK EXPERIENCE

Keywords

- ❖ Mechanical Engineering
- ❖ Manufacturing Engineering
- ❖ Materials Characterization
- ❖ High Temperature Composite Materials
- ❖ Computer/ Manual Drawings.
- ❖ Tribology

Institute of Technology, University of Kashmir, Srinagar, India.

Assistant Professor, April 2026– Present

[Delivering lectures to UG/PG students in subjects like CADD, Engg. Mechanics and Materials science and guiding students as supervisors for major projects and seminars]

Government College of Engineering and Technology, Ganderbal, J&K, India.

Lecturer, March 2024– Oct. 2025

[Delivering lectures to UG students in subjects like CADD, Measurement and Instrumentation, Machine Drawing and guiding students as supervisors for major projects and seminars]

National Institute of Technology, Srinagar, India.

Assistant Professor, April 2017–Aug. 2018

[Preparing and delivering lectures to undergraduate and graduate students in subjects like Turbo-Machinery, Applied Thermodynamics, Machine Drawing and Materials science]

S.K. University of Agricultural Science and Technology Shalimar, J&K, India.

Lecturer, Sept.2015–March-2017

[Managing and delivering lectures to Agri-Engg. students pertaining to subjects such as Heat transfer, Agri-based machines, Farm Machineries, AutoCAD Drawings and Workshop technology]

Isl. University of Science and Technology, Awantipora, J&K, India.

Assistant Professor, Aug.2012–Aug.2013

[Assisting Professors in preparing lectures and coordinating laboratory works, delivering lectures in subjects like Engineering Drawing, Engineering mechanics and Production Engineering]

FIL Industries Limited, SIDCO Industrial Area Srinagar, J&K, India.

Operations Engineer, Dec.2011- June2012

[Operating and maintaining the HVAC – CA/Cold storage of perishable food items and maintaining records for different storage environmental conditions in the warehouse and inspections of different refrigerating components and other related machinery]

Technical Skills

- ❖ AutoCAD
- ❖ SolidWorks
- ❖ MS Office & Origin
- ❖ Manual Drawings and Drafting
- ❖ TIG Welding/ Hardfacing
- ❖ Sintering

Personal Profile

Name : Dr. Yunis Ahmad Dar
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E-Mail : yunisdar@nitsri.ac.in / yunis.dar33@gmail.com
Phone : +91-7006921797
Sex & D. O. B : Male, 14-04-1988
Marital Status : Single
Nationality : Indian
Category : General / CDP (Children of Defence Personnel)
Languages : English, हिंदी, اردو & پښتو
Passport No. : Z6776110

Technical Profile

S.No.	Organization:	Training Duration:
01.	Short-term development training in learning characterization techniques such as XRD, Raman, FESEM, Vickers micro hardness tester, EPMA/WDS, Polishing techniques, Tribology, etc. at ACMS, IIT Kanpur, India.	12 Weeks.
02.	Operation and control system of hydel power plant to generate electricity of 105MW at USHP-II, Ganderbal, J&K Government.	4 Weeks.
03.	Study of Centrifugal Casting of Cast Iron Rolls and its Problem Formulation at India Factory, Malerkotla, Punjab (India).	1 Week.
04.	Mechanical Hospital & Central Heating System, Srinagar, J&K Government. (HVAC)	4 weeks
05.	Short-term course on PINCH TECHNOLOGY to learn different Heat Transfer Equipment Systems and their applications, NIT Srinagar, India.	N/A

Research Profile

THESIS - Ph. D.: Fabrication and characterization of spark plasma sintered alumina-based tungsten carbide advanced composites

THESIS - M. Tech.: Performance of hardfaced grey cast iron (ASTM G3000) with respect to solid particle erosion. [Welding/hardfacing]

PROJECT - B. E.: Controlled Atmosphere Storage/ Cold storage of Apples (layout, location, basic design and estimation). [HVAC]

PUBLISHED WORK:

- a) SCI/SCIE indexed Journal publications
 - i) <https://journals.sagepub.com/doi/10.1177/17436753241304297>
 - ii) <https://journals.sagepub.com/doi/abs/10.1177/14644207231175796>
 - iii) <https://journals.sagepub.com/doi/abs/10.1177/09544089211051590>
 - iv) Performance evaluation of magnetic stirring based hardfaced grey cast iron Composites with respect to solid particle erosion [UNER REVIEW]
- b) Open Access publications
 - i) <https://www.ijert.org/study-of-hardfacing-of-grey-cast-iron-astm-g2500-under-different-process-parameters>
 - ii) [https://www.worldwidejournals.com/indian-journal-of-applied-research-\(IJAR\)/article/effects-of-external-magnetic-field-on-welding-arc-of-shielded-metal-arc-welding/MzU0NQ==/?is=1&b1=229&k=58](https://www.worldwidejournals.com/indian-journal-of-applied-research-(IJAR)/article/effects-of-external-magnetic-field-on-welding-arc-of-shielded-metal-arc-welding/MzU0NQ==/?is=1&b1=229&k=58)
 - iii) [https://www.worldwidejournals.com/indian-journal-of-applied-research-\(IJAR\)/article/study-of-centrifugal-casting-of-cast-iron-rolls-and-its-problem-formulation-at-india-factory-malerkotla-punjab-india/NDA0Mg==/?is=1&b1=225&k=57](https://www.worldwidejournals.com/indian-journal-of-applied-research-(IJAR)/article/study-of-centrifugal-casting-of-cast-iron-rolls-and-its-problem-formulation-at-india-factory-malerkotla-punjab-india/NDA0Mg==/?is=1&b1=225&k=57)
- c) Conferences
Organizing member of an international Conference on Nano-Technology for better living, ICNBL-2019 by NIT Srinagar/ IIT Kharagpur.