

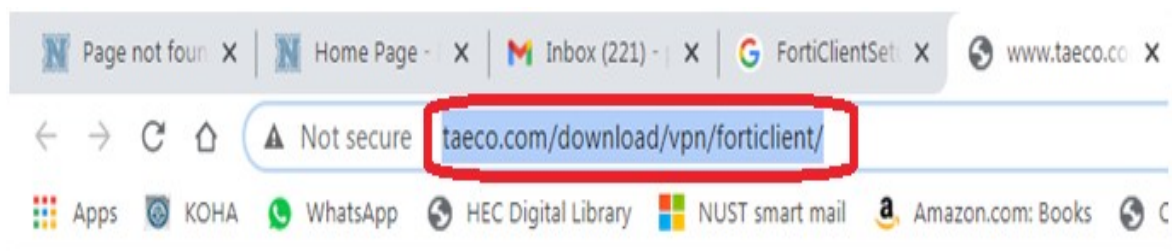
NUST – PNEC LIBRARY

HOW TO ACCESS VPN FOR HEC DIGITAL LIBRARY

VPN - USER GUIDE

Step 1: Download the Software

<http://www.taeco.com/download/vpn/forticlient/>



www.taeco.com - /download/vpn/forticlient/

[\[To Parent Directory\]](#)

11/12/2019	5:02 PM	12287360	FortiClientSetup_5.0.11.0367.exe
11/12/2019	5:02 PM	13450624	FortiClientSetup_5.0.11.0367_x64.exe
11/12/2019	5:10 PM	27606312	FortiClientSetup_5.4.5.0891.exe
11/12/2019	5:11 PM	29216040	FortiClientSetup_5.4.5.0891_x64.exe
11/12/2019	5:04 PM	36624680	FortiClientSetup_5.6.6.1167.exe
11/12/2019	5:04 PM	38676776	FortiClientSetup_5.6.6.1167_x64.exe
11/12/2019	5:15 PM	75075960	FortiClientSetup_6.0.4.0182.exe
11/12/2019	5:12 PM	96490360	FortiClientSetup_6.0.4.0182_x64.exe
11/22/2019	2:36 PM	830840	FortiClientVPNOnlineInstaller_6.2.exe

→ For windows 7 (32Bit)

→ For windows 10 (64Bit) Only

If error accord: [windows patch kb3033929](#)

Windows Patch Windows 7 (32Bit)

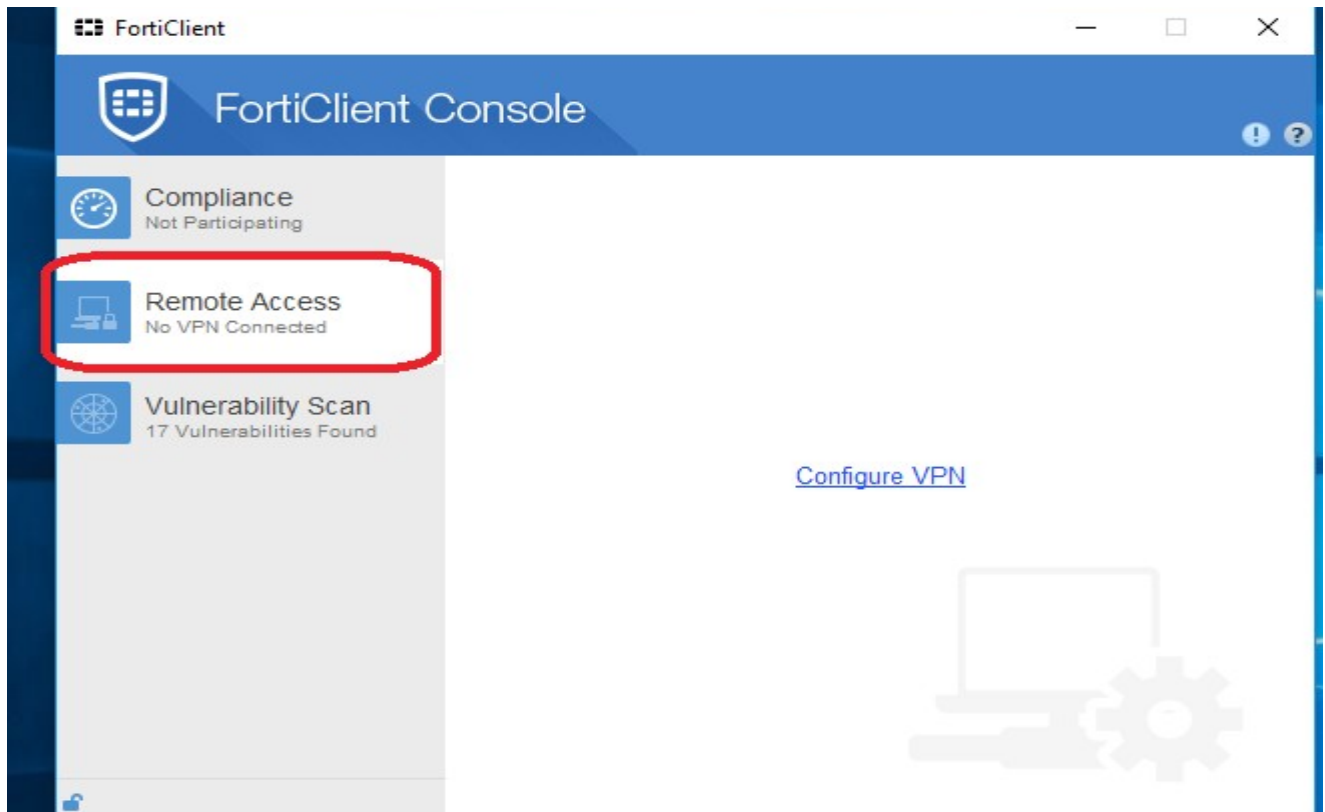
<https://www.microsoft.com/en-us/download/details.aspx?id=46078>

Windows Patch Windows 7 (64Bit)

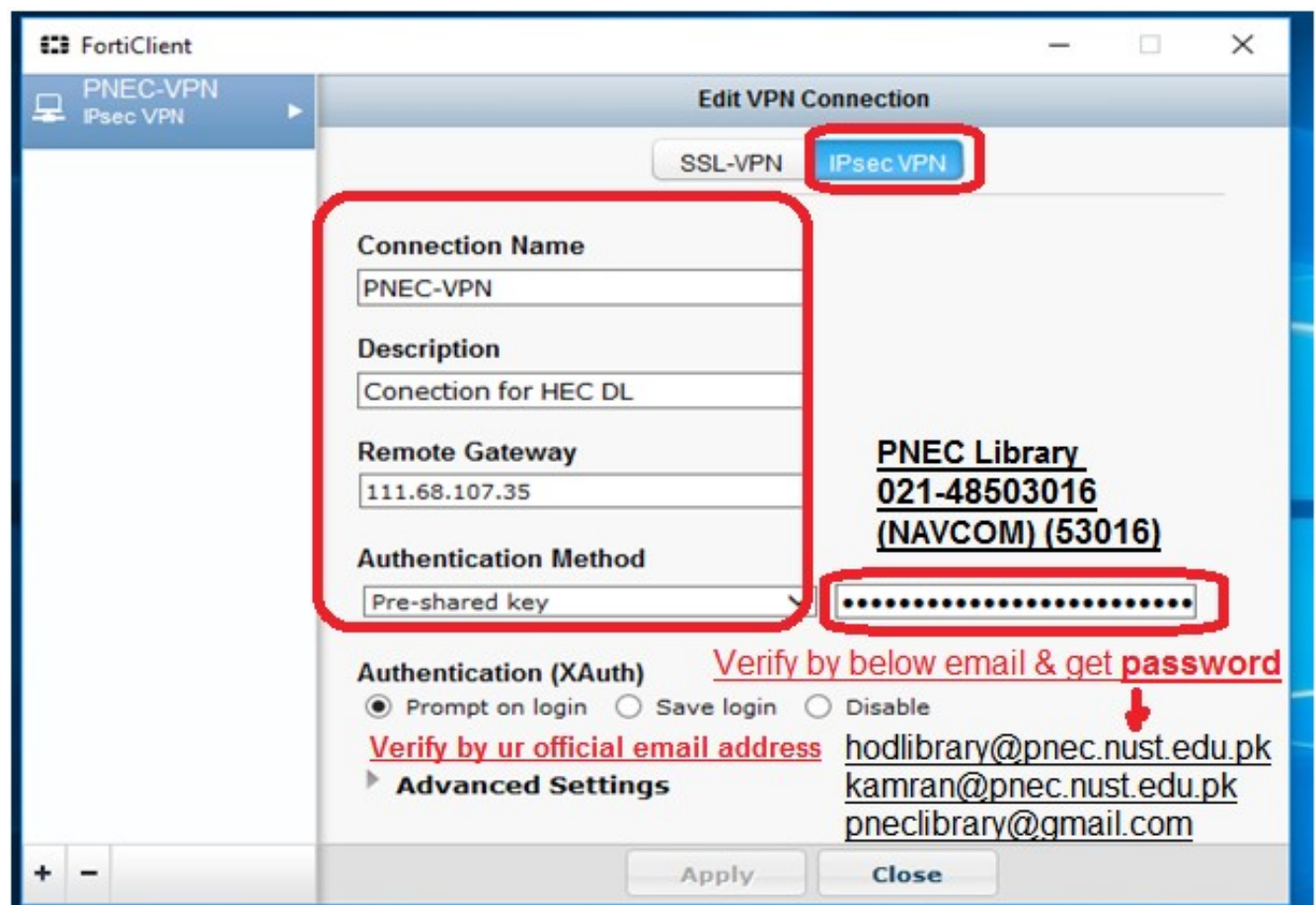
<https://www.microsoft.com/en-pk/download/details.aspx?id=46148>

Install this software by using only Next Button, After installation the **FORTICLIENT VPN** Software you can use the following steps.

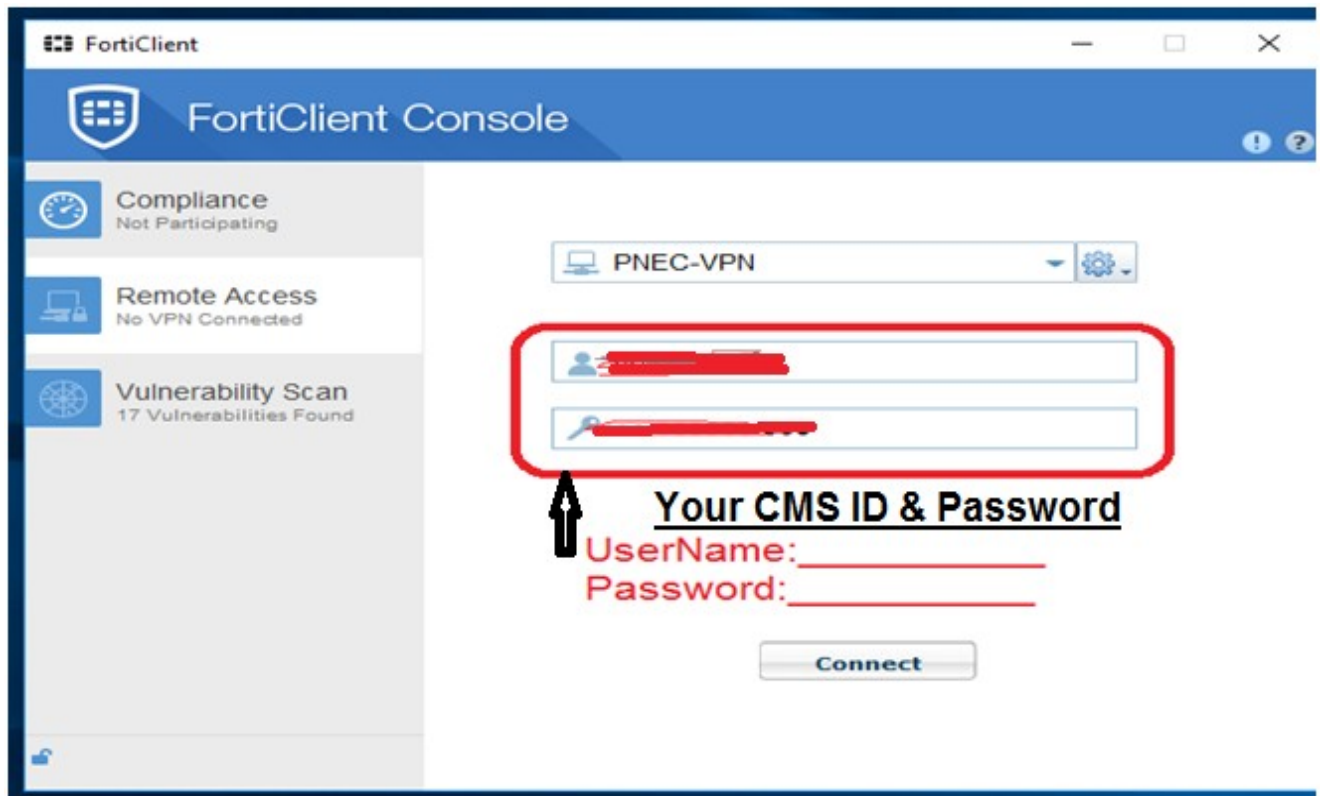
Step 2:



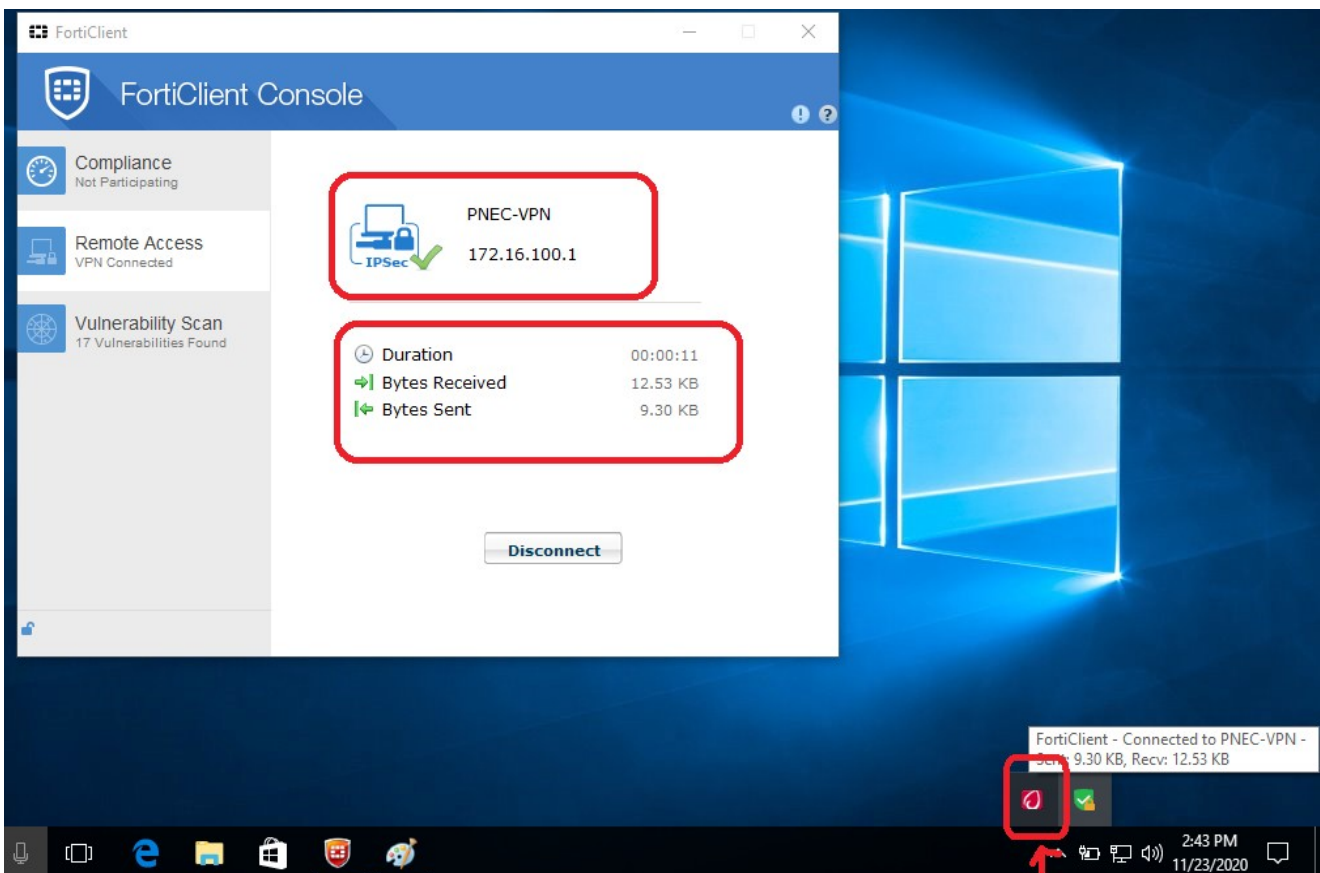
Step 3:



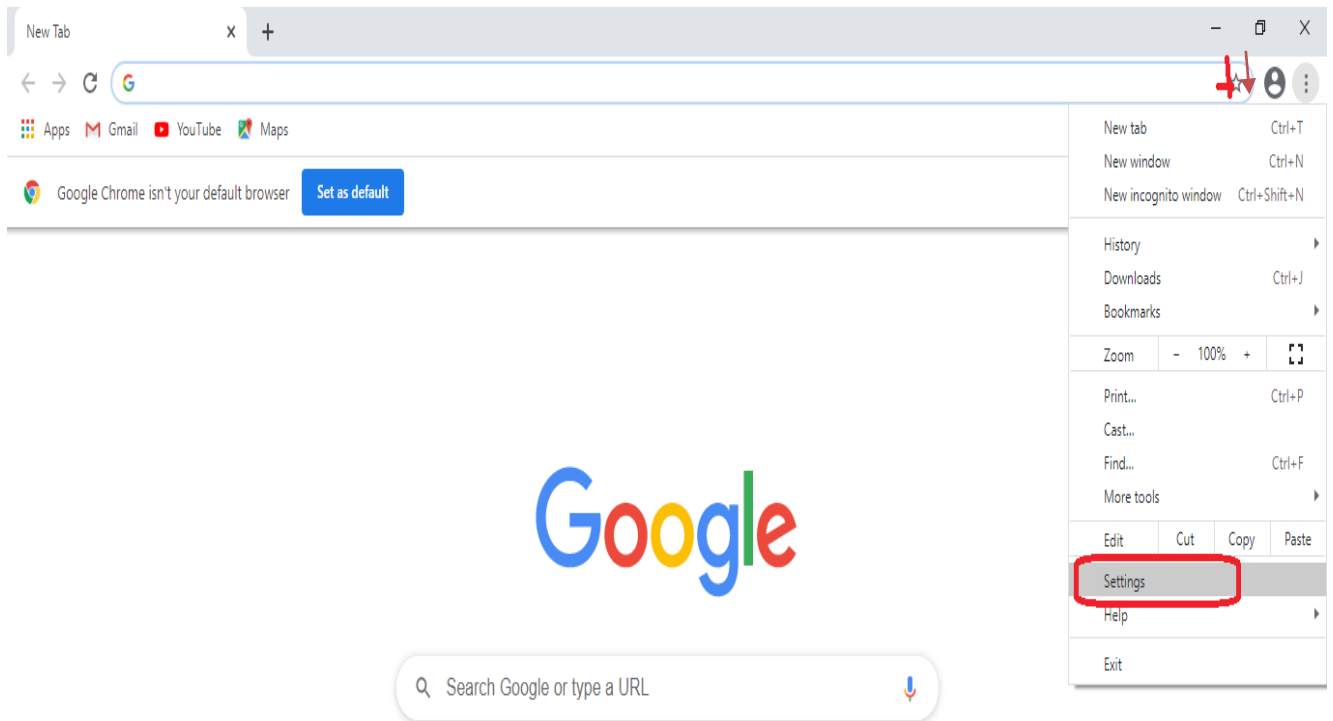
Step 4:



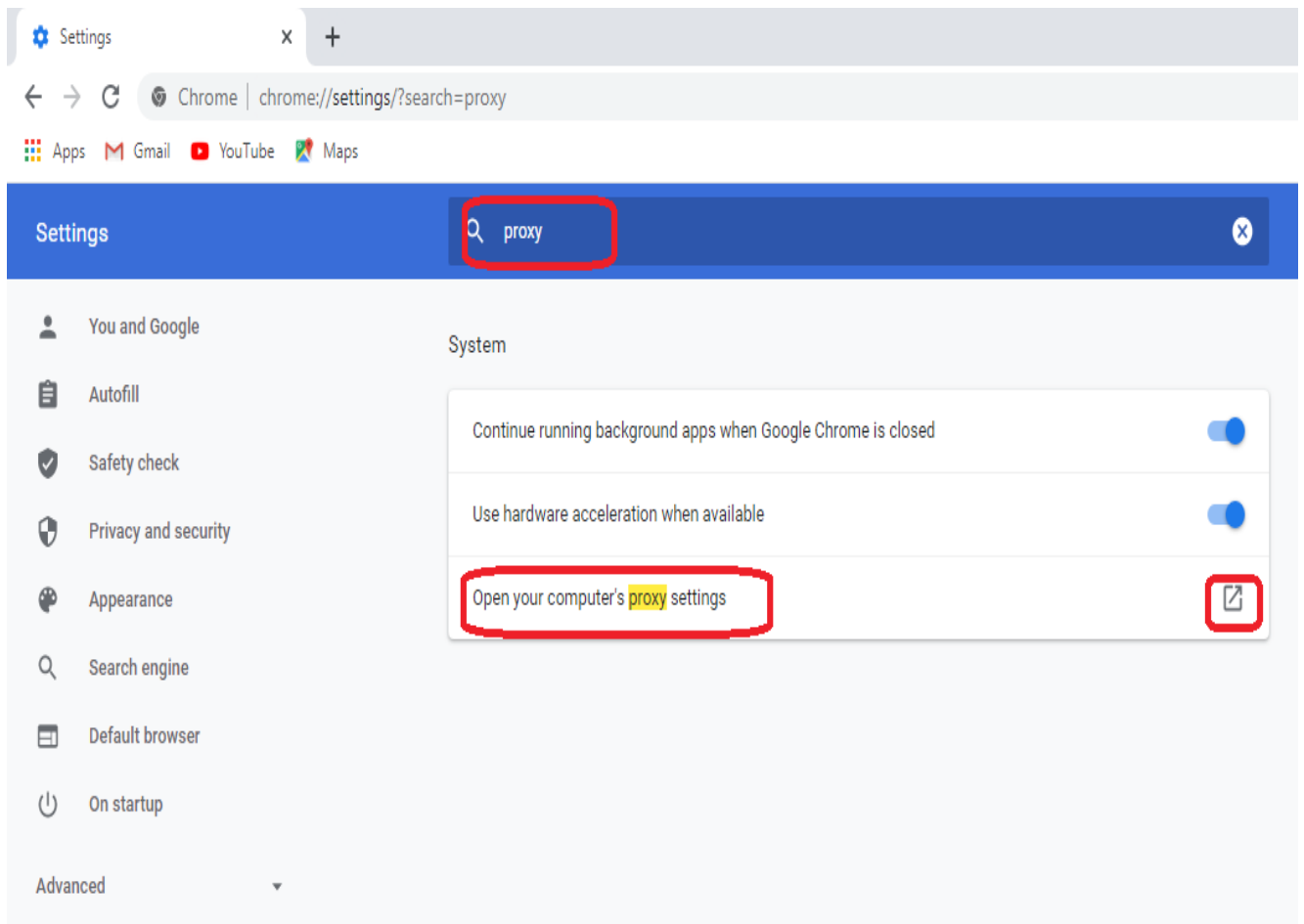
Step 5:



Step 6:



Step 7:



Step 8: Proxy (172.16.64.58) Port (8080)

The screenshot shows the Windows Settings application, specifically the 'Proxy' section under 'Network & Internet'. The 'Manual proxy setup' option is selected and circled in red. Below it, the 'Use a proxy server' toggle is turned on and also circled in red. The 'Address' field is set to '172.16.64.58' and the 'Port' field is set to '8080', both fields are circled in red. The checkbox 'Don't use the proxy server for local (intranet) addresses' is checked. A 'Save' button is circled in red at the bottom of the section.

Step 9: <https://whatismyipaddress.com/>

The screenshot shows the website 'WhatIsMyIPAddress.com'. The browser's address bar contains 'whatismyipaddress.com', which is circled in red. The website's header includes the logo and a search bar. Below the header, there is a navigation menu with options like 'MY IP', 'IP LOOKUP', 'HIDE MY IP', 'VPNS', 'TOOLS', and 'LEARN'. The main content area displays 'My IP Address Is:' followed by 'IPv4: 111.68.107.38', where the IP address is circled in red. Below this, it says 'IPv6: Not detected'. A section titled 'My IP Information:' provides details: 'ISP: PERNAS Content Servie Provider, Islamabad, Pakist', 'City: Karachi', 'Region: Sindh', and 'Country: Pakistan'. At the bottom of this section, there is a red button that says 'Make My IP Address Private' with a 'Click Here' link below it.

Step 10: <http://digitallibrary.edu.pk/nust.html>

Settings x HEC - National Digital Library - N x +

← → ↻ Not secure digitallibrary.edu.pk/nust.html

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National University of Sciences & Technology (NUST), Islamabad

Institutional Representative	Mr. Muhammad Muzammal Khan
Designation	AD Libraries
E - Mail	mmuzammalkhan@gmail.com
Phone Number	+92 (0)51-90851367
Website	http://www.nust.edu.pk/

Available Resources

[ProQuest Dissertation & Theses](#)

- ProQuest Dissertations & Theses Global is the world's most comprehensive collection of dissertations and theses from around the world, spanning from 1743 to the present day and offering full text for graduate works added since 1997, along with selected full text for works written prior to 1997. It contains a significant amount of new international dissertations and theses both in citations and in full text. ([More Info...](#))

[ASTM](#)

- The ASTM Standards & Engineering Digital Library is a vast collection of industry-leading standards and technical engineering information. It covers a broad range of engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical,

Step 11:

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← → ↻ Not secure digitallibrary.edu.pk/nust.html

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- Mathematics

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- Emerald is a dynamic database comprising over 150 titles in the fields of " Management, Information Science and Engineering.
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- Flagship titles such as Management Decision, European Journal of Marketing, Journal of Documentation, Leadership & Organization Development Journal, The TQM Magazine and Industrial Robot. ([More Info...](#))

[INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS \(IEEE\)](#)

(For College of Telecommunication Engineering (NUST) and College of Electrical & Mechanical Engineering (NUST) only)

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www.ieee.org/ieeexplore

Step 12:

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ieeexplore.ieee.org/Xplore/home.jsp

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Mechanical properties and microstructure analysis of 0.5% Niobium alloyed ductile iron under austempered process in salt bath treatment

Bulan Abdullah; Siti Khadijah Alias; Ahmed Jaffar; Amirul Abd Rashid; Abdullah Ramli

2010 International Conference on Mechanical and Electrical Technology

Year: 2010 | Conference Paper | Publisher: IEEE

Cited by: Papers (4)

Abstract (html) PDF (942 Kb)

A New Design of High Impact Load Rejection System Based Mechanical Linkages Using the Self-Restitution Mechanism

Khishbullah Hudha; Mohd Sabirin Rahmat; Noor Hafizah Amer; Zulkiffli Abd Kadir; Shohairni Abdullah

2018 57th Annual Conference of the Society of Instrument and Control Engineers of Japan (SICE)

Year: 2018 | Conference Paper | Publisher: IEEE

Abstract PDF (2526 Kb)

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Mechanical properties and microstructure analysis of 0.5% Niobium alloyed ductile iron under aust... 1 / 5

Download

2010 International Conference on Mechanical and Electrical Technology (ICMET 2010)

Mechanical Properties and Microstructure Analysis Of 0.5% Niobium Alloyed Ductile Iron under Austempered Process in Salt Bath Treatment

Bulan Abdullah¹, Siti Khadijah Alias¹, Ahmed Jaffar¹, Amirul Abd Rashid¹, Abdullah Rami²

¹Faculty of Mechanical Engineering, Universiti Teknologi MARA, Shah Alam, MALAYSIA
²Faculty of Biotechnology & Life Sciences, Universiti Industri Selangor
Email address of corresponding author: bulan_abd@yahoo.com.sg

Abstract—The purpose of this work was to compare the mechanical and physical properties for 0.5% Niobium alloyed ductile iron (0.5% Nb-DI) with commercial ductile iron (DI) before and after austempering process. The materials for this investigation were produced by conventional CO₂ sand casting process and machined to TS EN 10001 standards for tensile test and ASTM E23 for Charpy impact test. Hardness test, density test and polarization test were also done to the samples. Microstructure observations were made after 2% Nital chemical etched and the fractured surfaces obtained through broken samples of tensile and impact test were evaluated through Scanning Electron Microscopy (SEM). The samples were austenitized at 900°C for 1 hour followed by austempered in a salt bath at 350°C for 3 different holding times which were 1 hour, 2 hours and 3 hours subsequently. The samples were then let cooled to room temperature. All testing were done before and after heat treatment process. The newly developed Nb alloyed DI possessed significant improvement in term of microstructure: bainitic ferrite, carbide, high carbon austenite and nodular graphite. The process comprises the production of a ductile iron casting, austenitization (800–950°C), subsequent quenching to a temperature (250–400°C), suitable for the final stage, the isothermal transformation (austempering) of some of the austenitic matrix to other phases, prior to subsequent cooling to room temperature. Addition of alloying element may also be the main factors of the changes in Microstructural and mechanical properties. Obviously, the combination of alloying composition together with the austenitization and austempering heat treatments, determines the microstructure produced and subsequently the dominant mechanical properties.

The explicitly study fatigue initiation and crack propagation of ADI found out that the crack propagations of

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