



**HEI Response to DVV Findings**

**Criteria Number:** 3

**Criteria Name:** Research, Innovation and Extension

**Sub criteria Number:** 3.3.2

**Sub-criteria Name:** Research Publication and Awards

3.3.2 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

**This document contains the supporting documents for DVV clarification.**

Following table summarizes the data required in clarification:

| Sr No | Details  |
|-------|--|
| 1     | Link landing to the research paper             |
| 2     | Link to the journal website                    |
| 3     | URL of the content page in case print journal. |



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## 3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

| Name of the teacher           | Title of the book/chapters published   | Year of publication | ISBN/ISSN number of the proceeding | Name of the publisher | Weblink Landing to the journal paper/Journal  | Weblink Landing to the journal Website  | URL for the content of print journal  |
|-------------------------------|--|---------------------|------------------------------------|-----------------------|---|---|---|
| Dr. Sunayana Jadhav           | "BMS for Electric Vehicle" in Artificial Intelligence and Communication Systems  | 2023                | 978-81-955020-5-9                  | SCRS publication      | <a href="https://doi.org/10.52458/978-81-955020-5-9">https://doi.org/10.52458/978-81-955020-5-9</a>   | <a href="https://doi.org/10.52458/978-81-955020-5-9">https://doi.org/10.52458/978-81-955020-5-9</a>   | <a href="https://doi.org/10.52458/978-81-955020-5-9">https://doi.org/10.52458/978-81-955020-5-9</a>   |
| Ms. Ashwini Katkar            | "Investigating the Impact of Distance on the Reception in Molecular Communication" in Intelligent Computing and Networking | 2023                | 978-981-99-3176-7                  | Springer Nature       | <a href="https://link.springer.com/book/10.1007/978-981-99-3177-4">https://link.springer.com/book/10.1007/978-981-99-3177-4</a>   | <a href="https://link.springer.com/book/10.1007/978-981-99-3177-4">https://link.springer.com/book/10.1007/978-981-99-3177-4</a>   | <a href="https://link.springer.com/book/10.1007/978-981-99-3177-4">https://link.springer.com/book/10.1007/978-981-99-3177-4</a>   |
| Dr. Tatwadarshi P. Nagarhalli | "Evaluation of Learning Techniques for Intrusion Detection System" in Intelligent Approaches to Cyber Security             | 2023                | 9781003408307                      | CRC Press             | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003408307-9/evaluation-learning-techniques-intrusion-detection-systems-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003408307-9/evaluation-learning-techniques-intrusion-detection-systems-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar</a> | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003408307-9/evaluation-learning-techniques-intrusion-detection-systems-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003408307-9/evaluation-learning-techniques-intrusion-detection-systems-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar</a> | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003408307/intelligent-approaches-cyber-security-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-tatwadarshi-nagarhalli?refId=df48d4c6-4b50-4ef9-9097-8f57a819252d&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003408307/intelligent-approaches-cyber-security-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-tatwadarshi-nagarhalli?refId=df48d4c6-4b50-4ef9-9097-8f57a819252d&amp;context=ubx</a> |



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|---------------------------------------|---|------|---------------|---|---|---|---|
| Dr. Tatwadarshi P. Nagarhalli         | Cyber Security Threats and Challenges Facing Human Life   | 2023 | 9781032111555 | CRC Press                               | <a href="https://doi.org/10.1201/9781003218555">https://doi.org/10.1201/9781003218555</a>   | <a href="https://doi.org/10.1201/9781003218555">https://doi.org/10.1201/9781003218555</a>   | <a href="https://www.routledge.com/Cyber-Security-Threats-and-Challenges-Facing-Human-Life/MShekokar-Vasudevan-Durbha-Michalas-PNagarhalli-SharadMangrulkar-Mangla/p/book/9781032111285">https://www.routledge.com/Cyber-Security-Threats-and-Challenges-Facing-Human-Life/MShekokar-Vasudevan-Durbha-Michalas-PNagarhalli-SharadMangrulkar-Mangla/p/book/9781032111285</a>   |
| Mr. Sainath Patil, Dr. Ashish Vanmali | “Cyber Security Concerns for IoB,” In R. Dhaya, R. Kanthavel (Eds.), Internet of Behaviors (IoB)  | 2023 | 9781032304533 | CRC Press, Taylor and Francis Group, UK | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003305170/internet-behaviors-iob-dhaya-kanthavel">https://www.taylorfrancis.com/books/edit/10.1201/9781003305170/internet-behaviors-iob-dhaya-kanthavel</a>   | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003305170/internet-behaviors-iob-dhaya-kanthavel">https://www.taylorfrancis.com/books/edit/10.1201/9781003305170/internet-behaviors-iob-dhaya-kanthavel</a>   | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003305170/internet-behaviors-iob-dhaya-kanthavel">https://www.taylorfrancis.com/books/edit/10.1201/9781003305170/internet-behaviors-iob-dhaya-kanthavel</a>   |
| Mrs. Vaishali Shirsath                | “An Assessment on Game-Based Cyber Defense Strategy for SDN” In N. Shekokar et al. (Eds.), Cyber Security Threats & Challenges Facing Human Life: A Comprehensive Study | 2023 | 978103218555  | CRC Press, Taylor and Francis Group, UK | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003218555/cyber-security-threats-challenges-facing-human-life-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-ramchandra-sharad-mangrulkar-tatwadarshi-nagarhalli-monika-mangla?refId=d3ebe95e-818f-4c4d-8991-9875fdaa3e25&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003218555/cyber-security-threats-challenges-facing-human-life-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-ramchandra-sharad-mangrulkar-tatwadarshi-nagarhalli-monika-mangla?refId=d3ebe95e-818f-4c4d-8991-9875fdaa3e25&amp;context=ubx</a> | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003218555/cyber-security-threats-challenges-facing-human-life-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-ramchandra-sharad-mangrulkar-tatwadarshi-nagarhalli-monika-mangla?refId=d3ebe95e-818f-4c4d-8991-9875fdaa3e25&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003218555/cyber-security-threats-challenges-facing-human-life-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-ramchandra-sharad-mangrulkar-tatwadarshi-nagarhalli-monika-mangla?refId=d3ebe95e-818f-4c4d-8991-9875fdaa3e25&amp;context=ubx</a> | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003218555/cyber-security-threats-challenges-facing-human-life-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-ramchandra-sharad-mangrulkar-tatwadarshi-nagarhalli-monika-mangla?refId=d3ebe95e-818f-4c4d-8991-9875fdaa3e25&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003218555/cyber-security-threats-challenges-facing-human-life-narendra-shekokar-hari-vasudevan-surya-durbha-antonis-michalas-ramchandra-sharad-mangrulkar-tatwadarshi-nagarhalli-monika-mangla?refId=d3ebe95e-818f-4c4d-8991-9875fdaa3e25&amp;context=ubx</a> |



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|--|--|------|----------------------|-----------|---|---|---|
| Dr. Tatwadarshi P. Nagarhalli, Mrs. Sneha Mhatre, Mr. Sanket Patil | "Evaluating the effectiveness of the Convolution Neural Network in Detecting Brain Tumors" in Next Generation Healthcare Systems Using Soft Computing Techniques     | 2022 | 9781003217091        | CRC Press | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-3/evaluating-effectiveness-convolution-neural-network-detecting-brain-tumors-tatwadarshi-nagarhalli-sneha-mhatre-ashwini-save-sanket-patil">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-3/evaluating-effectiveness-convolution-neural-network-detecting-brain-tumors-tatwadarshi-nagarhalli-sneha-mhatre-ashwini-save-sanket-patil</a> | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-3/evaluating-effectiveness-convolution-neural-network-detecting-brain-tumors-tatwadarshi-nagarhalli-sneha-mhatre-ashwini-save-sanket-patil">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-3/evaluating-effectiveness-convolution-neural-network-detecting-brain-tumors-tatwadarshi-nagarhalli-sneha-mhatre-ashwini-save-sanket-patil</a> | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003217091/next-generation-healthcare-systems-using-soft-computing-techniques-rekh-ram-janghel-rohit-rajakorhan-cengiz-hiral-rajaj?refId=b3617042ad20-448c-82e6-2aca1360f4ae&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003217091/next-generation-healthcare-systems-using-soft-computing-techniques-rekh-ram-janghel-rohit-rajakorhan-cengiz-hiral-rajaj?refId=b3617042ad20-448c-82e6-2aca1360f4ae&amp;context=ubx</a> |
| Dr. Tatwadarshi P. Nagarhalli                                      | "Analysis of Recurrent Neural Network and Convolution Neural Network Techniques in Blood Cell" in Next Generation Healthcare Systems Using Soft Computing Techniques | 2022 | 9781003217091        | CRC Press | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-2/analysis-recurrent-neural-network-convolution-neural-network-techniques-blood-cell-classification-tatwadarshi-nagarhalli">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-2/analysis-recurrent-neural-network-convolution-neural-network-techniques-blood-cell-classification-tatwadarshi-nagarhalli</a>                                 | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-2/analysis-recurrent-neural-network-convolution-neural-network-techniques-blood-cell-classification-tatwadarshi-nagarhalli">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217091-2/analysis-recurrent-neural-network-convolution-neural-network-techniques-blood-cell-classification-tatwadarshi-nagarhalli</a>                                 | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003217091/next-generation-healthcare-systems-using-soft-computing-techniques-rekh-ram-janghel-rohit-rajakorhan-cengiz-hiral-rajaj?refId=4b24dad02106-4572-8582-bfb22a1382a7&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003217091/next-generation-healthcare-systems-using-soft-computing-techniques-rekh-ram-janghel-rohit-rajakorhan-cengiz-hiral-rajaj?refId=4b24dad02106-4572-8582-bfb22a1382a7&amp;context=ubx</a> |
| Dr, Ashish J. Chaudhari, Mr. Vinay Patel                           | Compressed biogas fuel performance enhancement under variable compression ratio accompanied with variable ignition location spark ignition engine                    | 2021 | 978-981-19-3498-8_13 | Springer  | <a href="https://link.springer.com/chapter/10.1007/978-981-19-3498-8_13">https://link.springer.com/chapter/10.1007/978-981-19-3498-8_13</a>   | <a href="https://link.springer.com/chapter/10.1007/978-981-19-3498-8_13">https://link.springer.com/chapter/10.1007/978-981-19-3498-8_13</a>   | <a href="https://link.springer.com/book/10.1007/978-981-19-3498-8">https://link.springer.com/book/10.1007/978-981-19-3498-8</a>   |



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|---|--|------|--|---|---|---|---|
| Mr. Vinay D. Patel, Dr. Ashish J. Chaudhari | Evacuated Tube Solar Collector Performance with Combined Effect of Triple Integrated Helix, Thermal Energy Storage through Collector | 2021 | 978-981-19-3498-8_16                   | Springer  | <a href="https://link.springer.com/chapter/10.1007/978-981-19-3498-8_16">https://link.springer.com/chapter/10.1007/978-981-19-3498-8_16</a>   | <a href="https://link.springer.com/chapter/10.1007/978-981-19-3498-8_16">https://link.springer.com/chapter/10.1007/978-981-19-3498-8_16</a>   | <a href="https://link.springer.com/book/10.1007/978-981-19-3498-8">https://link.springer.com/book/10.1007/978-981-19-3498-8</a>   |
| Dr. Tatwadarshi P. Nagarhalli               | Design of Intelligent System using Machine Learning and Deep Learning/ Fundamental Models in Machine Learning and Deep Learning      | 2021 | 9780367679798, e-ISBN: 978103133681681 | CRC Press, Taylor & Francis Group                 | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003133681-2/fundamental-models-machine-learning-deep-learning-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003133681-2/fundamental-models-machine-learning-deep-learning-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar</a> | <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003133681-2/fundamental-models-machine-learning-deep-learning-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003133681-2/fundamental-models-machine-learning-deep-learning-tatwadarshi-nagarhalli-ashwini-save-narendra-shekokar</a> | <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003133681-2/fundamental-models-machine-learning-deep-learning-techniques-ramchandra-sharad-mangrulkar-antonis-michalas-narendra-shekokar-meera-narvekar-pallavi-vijay-chavan?refId=10497879-65bc-48c3-b01c-09cbc477c7a2&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003133681-2/fundamental-models-machine-learning-deep-learning-techniques-ramchandra-sharad-mangrulkar-antonis-michalas-narendra-shekokar-meera-narvekar-pallavi-vijay-chavan?refId=10497879-65bc-48c3-b01c-09cbc477c7a2&amp;context=ubx</a> |
| Mr. Vinay Patel, Dr. Ashish Chaudhari       | Automation in Conventional Drilling Machine to Multi-spindle Drilling SPM  | 2020 | 978-981-16-2794-1                      | Lecture Notes in Mechanical Engineering- Springer | <a href="https://link.springer.com/chapter/10.1007/978-981-16-2794-1_58#:~:text=With%20the%20five%20spindle%20gearbox,to%20five%20conventional%20drilling%20machines.">https://link.springer.com/chapter/10.1007/978-981-16-2794-1_58#:~:text=With%20the%20five%20spindle%20gearbox,to%20five%20conventional%20drilling%20machines.</a>                               | <a href="https://link.springer.com/chapter/10.1007/978-981-16-2794-1_58#:~:text=With%20the%20five%20spindle%20gearbox,to%20five%20conventional%20drilling%20machines.">https://link.springer.com/chapter/10.1007/978-981-16-2794-1_58#:~:text=With%20the%20five%20spindle%20gearbox,to%20five%20conventional%20drilling%20machines.</a>                               | <a href="#">Advances in Mechanical and Materials Technology: Select Proceedings of EMSME 2020   SpringerLink</a>  |