e-ISSN: 2278-067X *p-ISSN: 2278-800X*

INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT
e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **"Acoustic Analysis and Mathematical Modelling of a Stiff Spring-Coupled Double-String Banam: A Study of Vibrational Characteristics"** has been published in **International Journal of Engineering Research and Development (IJERD).**

Your article has been published with following details:

Author's Name:	*Pratima Sinha*
Journal Name:	*International Journal of Engineering Research and Development (IJERD)*
Journal URL:	*www.ijerd.com*
Journal Type:	*Online & Offline*
Publication Year:	*2026*
Publication Month:	*November*
Vol No. :	*22*
Issue No. :	*11*



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com

e-ISSN: 2278-067X *p-ISSN: 2278-800X*

INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT
e-ISSN: 2278-067X p-ISSN: 2278-800X
IJERD

CERTIFICATE

It is certified that the paper entitled by **"Acoustic Analysis and Mathematical Modelling of a Stiff Spring-Coupled Double-String Banam: A Study of Vibrational Characteristics"** has been published in **International Journal of Engineering Research and Development (IJERD).**

Your article has been published with following details:

Author's Name:	*Ishita Ghosh*
Journal Name:	*International Journal of Engineering Research and Development (IJERD)*
Journal URL:	*www.ijerd.com*
Journal Type:	*Online & Offline*
Publication Year:	*2026*
Publication Month:	*November*
Vol No. :	*22*
Issue No. :	*11*



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com

e-ISSN: 2278-067X *p-ISSN: 2278-800X*

INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT
e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **"Acoustic Analysis and Mathematical Modelling of a Stiff Spring-Coupled Double-String Banam: A Study of Vibrational Characteristics"** has been published in **International Journal of Engineering Research and Development (IJERD).**

Your article has been published with following details:

Author's Name:	*Ashok Kumar Mandal*
Journal Name:	*International Journal of Engineering Research and Development (IJERD)*
Journal URL:	*www.ijerd.com*
Journal Type:	*Online & Offline*
Publication Year:	*2026*
Publication Month:	*November*
Vol No. :	*22*
Issue No. :	*11*



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com

e-ISSN: 2278-067X *p-ISSN: 2278-800X*

INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT
e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **"Acoustic Analysis and Mathematical Modelling of a Stiff Spring-Coupled Double-String Banam: A Study of Vibrational Characteristics"** has been published in **International Journal of Engineering Research and Development (IJERD).**

Your article has been published with following details:

Author's Name: *Amit Kumar*

Journal Name: *International Journal of Engineering Research and Development (IJERD)*

Journal URL: *www.ijerd.com*

Journal Type: *Online & Offline*

Publication Year: *2026*

Publication Month: *November*

Vol No. : *22*

Issue No. : *11*



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com

INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT
e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **"Acoustic Analysis and Mathematical Modelling of a Stiff Spring-Coupled Double-String Banam: A Study of Vibrational Characteristics"** has been published in **International Journal of Engineering Research and Development (IJERD).**

Your article has been published with following details:

Author's Name: *Tahseen Alam*

Journal Name: *International Journal of Engineering Research and Development (IJERD)*

Journal URL: *www.ijerd.com*

Journal Type: *Online & Offline*

Publication Year: *2026*

Publication Month: *November*

Vol No. : *22*

Issue No. : *11*



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com