



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : Bai Qiaoling
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : Shi Luyao
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : **Fan Yuxin**
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : **Chen Yihao**
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : **Li Yiyang**
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : **Feng Meixia**
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : **Xiaorong LI**
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com



The Peer-reviewed International Journal

International Journal of Engineering Inventions

CERTIFICATE

It is certify that the paper entitled by "**Design and Implementation of English Learning Emotion Analysis System Based on BiGRU**" is accepted for further publication in **International Journal of Engineering Inventions (IJEI)**.

Paper has published with following details:

Authors Name : **Pingchuan ZHANG**
Journal Name : International Journal of Engineering Inventions (IJEI)
Journal URL : www.ijeijournal.com
Review Type : Peer Reviewed Journal
Publication Type : Online & Print both
ISSN No. : 2278-7461 (Online) ; 2319-6491 (Print)
Vol No. : 14
Issue No. : 11 (November 2025)



Editor-In-Chief
International Journal of Engineering Inventions (IJEI)
www.ijeijournal.com
Mail id: ije@editormails.com