



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**KIMAYA SHELAR**

has been awarded the "Best Paper" for his/her Research paper entitled

**A SURVEY ON BLOCKCHAIN APPLICATION AREAS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

Dr. Hiren Dand  
Convener

Head, Department of Information Technology

Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**DR. SARIKA CHOUHAN**

has been awarded the "Best Paper" for his/her Research paper entitled

**A SURVEY ON BLOCKCHAIN APPLICATION AREAS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

Dr. Hiren Dand  
Convener

Head, Department of Information Technology

Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**ARTI BANSODE**

has been awarded the "Best Paper" for his/her Research paper entitled

**FEASIBILITY STUDY OF BEHAVIORIAL PROFILE FOR CRIME DETECTION**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**FLEUR MARIO FERNANDES**

has been awarded the "Best Paper" for his/her Research paper entitled

**APPLICATION OF INTERNET OF THINGS (IOT) IN THE GLOBAL MERCHANT SHIPPING INDUSTRY**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**SANKETH IYER**

has been awarded the "Best Paper" for his/her Research paper entitled

**REINFORCEMENT LEARNING AND CLUSTERING BASED ALGORITHM FOR SELF LEARNING CHATBOTS**

At


**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal





PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**DR. HIREN DAND**

has been awarded the "Best Paper" for his/her Research paper entitled

**REINFORCEMENT LEARNING AND CLUSTERING BASED ALGORITHM FOR SELF LEARNING CHATBOTS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**JOJAN MATHAI**

has been awarded the "Best Paper" for his/her Research paper entitled

**REINFORCEMENT LEARNING AND CLUSTERING BASED ALGORITHM FOR SELF LEARNING CHATBOTS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**G.B.HEMALATHA**

has been awarded the "Best Paper" for his/her Research paper entitled

**A STUDY OF ADAPTING GREEN METHODOLOGIES IN SOFTWARE ENGINEERING PROCESS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal





PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**DR. HIREN DAND**

has been awarded the "Best Paper" for his/her Research paper entitled

**A STUDY OF ADAPTING GREEN METHODOLOGIES IN SOFTWARE ENGINEERING PROCESS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**DR. YOGESH SHARMA**

has been awarded the "Best Paper" for his/her Research paper entitled

**A STUDY OF ADAPTING GREEN METHODOLOGIES IN SOFTWARE ENGINEERING PROCESS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**UJWALA MADHAV SAV**

has been awarded the "Best Paper" for his/her Research paper entitled

**ANALYSIS OF INSIDER THREATS DETECTION BASED ON USERS ANOMALOUS BEHAVIOR USING MACHINE LEARNING AND DEEP LEARNING**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**GANESH MAGAR**

has been awarded the "Best Paper" for his/her Research paper entitled

**ANALYSIS OF INSIDER THREATS DETECTION BASED ON USERS ANOMALOUS BEHAVIOR USING MACHINE LEARNING AND DEEP LEARNING**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal



PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**ANIL K. BHARODIYA**

has been awarded the "Best Paper" for his/her Research paper entitled

**AN IMPROVED ALGORITHM FOR BONE TUMOR DETECTION FROM HUMAN X-RAY IMAGES BASED ON BINARY BLOB ANALYSIS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal





PARLE TILAK VIDYALAYA ASSOCIATION'S

# MULUND COLLEGE OF COMMERCE

(Affiliated to the UNIVERSITY OF MUMBAI)

S. N. Road, Mulund West, Mumbai 400080. Tel: 25600017

NAAC REACCREDITED "A" GRADE

(Cycle I : 2004, Cycle II: 2011 Cycle III: 2016)



## CERTIFICATE

This is to Certify that

**ATUL M. GONSAI**

has been awarded the "Best Paper" for his/her Research paper entitled

**AN IMPROVED ALGORITHM FOR BONE TUMOR DETECTION FROM HUMAN X-RAY IMAGES BASED ON BINARY BLOB ANALYSIS**

At

**CyProbe - A National Conference on Advanced Research in Computer Science and Information Technology**

held on **18th January 2020** at **PTVA's Mulund College of Commerce, Mumbai.**

In recognition and appreciation of his/her research contributions.

  
Dr. Hiren Dand  
Convener

Head, Department of Information Technology

  
Dr. Sonali Pednekar  
Principal