



RESEARCH EXCELLENCE
AWARD





Department of Research and Development

Event Report

| | | |
|-------|-----------------------------------|----------------|
| Title | Research Excellence Awards | |
| Date | From: 05.09.2024 | To: 05.09.2024 |
| Time | From: 02:00 PM | To: 03:30 PM |

Brief Description:

Department of Research and Development of New Horizon College of Engineering provided “Research Excellence Awards for the Calender Year 2023” during “Teacher’s Day Celebration and Chairman’s Award Ceremony” in recognition of dedication and research brilliance on 05.09.2024 at New Horizon Auditorium, New Horizon College of Engineering, Bengaluru. These awards recognized the outstanding achievements in research and development across various disciplines, celebrating innovation, dedication, and exceptional contributions to the advancement of knowledge and technology. The purpose of Research Excellence Awards aims to honors individuals and teams who have demonstrated exceptional skill, creativity, and dedication in their research and development activities.

Award Categories:

1. *Highest Quality Publications*
2. *Highest h - Index*
3. *Highest Patent Published*
4. *Best Department supporting Quality Publication*
5. *Best Department supporting Patent Publication*
6. *Department with Highest number of KSCST Projects*
7. *Appreciation of Appreciation to Funded Projects*

Category 1: Highest Quality Publications Award

The "Highest Quality Publications Award" is typically given to recognize outstanding contributions in scholarly or professional publishing. The criteria for such an award might include: Originality and Innovation, Research Quality, Impact and Relevance, Clarity and Presentation, Peer Recognition, Ethical Standards.

The recipient of the CY 2024 Highest Quality Publication Award is “Dr. Arun Kumar, Associate Professor, Department of Electronics and Communication Engineering, New Horizon College of Engineering”

Key Highlights of [Dr. Arun Kumar]'s Achievement:

He working in NHCE from 02.11.2022. He is having total of 11 years of teaching experience. and published more than 115 research articles in SCI-E/Scopus Index Journals. He guided more than 10 M.Tech scholars and currently guiding 4 Ph.D Research Scholars. His research interests are in the advanced waveform for 5G mobile communication systems, 5G based smart hospital, PAPR reduction techniques in the multi-carrier waveform, and Spectrum sensing techniques. Dr. Arun Kumar from

Department of Electronics and Communication Engineering received the award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution. (Fig.1)



Fig.1. Dr. Arun Kumar received award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

Category 2: Highest h – Index Award

The h-index, a measure of both the productivity and citation impact of a researcher’s published work, reflects the significant influence and contribution has made to their field. This prestigious award recognizes the exceptional scholarly impact demonstrated through their impressive h-index score in Scopus.

The recipient of the CY 2023 Highest h-Index Scopus Award is “Dr. Ramachandra Naik, Sr. Assistant Professor, Department of Applied Sciences, New Horizon College of Engineering”.

Key Highlights of [Dr. Ramachandra Naik]'s Achievement:

- **Dr. Ramachandra Naik** working in NHCE from 15.07.2013 onwards and he is having Scopus h-Index score of 25, showcasing a high level of both publication productivity and citation impact.
- **Dr. Ramachandra Naik** has made groundbreaking advancements in nanomaterials and energy storage, which are evident through their extensive and highly cited body of work.
- **Dr. Ramachandra Naik** research has been pivotal in shaping current understanding and practices in Scopus with 78 documents and 1812 citations.

This award celebrates [Dr. Ramachandra Naik]'s dedication to advancing knowledge and influencing the academic community. Their work exemplifies the highest standards of scholarly excellence and impact. Dr. Ramachandra Naik from Department of Applied Sciences received the award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution. (Fig.2)



Fig.2. Dr. Ramachandra Naik received award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

Category 3: Highest Patent Published Award

About the Award:

The Highest Patent Published Award is presented annually to recognize outstanding achievements in patenting, celebrating the individual or organization that has demonstrated unparalleled innovation and technological leadership.

The recipient of the prestigious **Highest Patent Published Award: Mr. Ajay Sudhir Bale**, Associate Professor, Department of Electronics and Communication Engineering, New Horizon College of Engineering

This award honoured the individual or organization with the highest number of published patents, reflecting their outstanding contributions to innovation and technological advancement.

Key Highlights of [Mr. Ajay Sudhir Bale]'s Achievement:

He joined in NHCE from 04.04.2022. He is having total of 7 years of teaching experience. and published more than 48 research articles in Scopus. His research interests are in the advanced Augmenting Knowledge Management with Immersive Technologies: Exploring Transformative Use Cases for AR and VR, Intelligent Social Networking Algorithms and Their Effects on Predicting the Adequacy of Renewable Energy Sources via Social Media.

Mr. Ajay Sudhir Bale has achieved a remarkable total of **five published** Indian patents, showcasing a prolific output in patenting innovative technologies and solutions with **two design** patents. Their patents span across demonstrating a significant impact on specific industries or areas. His innovations have played a pivotal role in advancing, contributing to practical applications.

This award acknowledges **[Mr. Ajay Sudhir Bale]**'s exceptional commitment to driving progress and innovation through a prolific and influential patent portfolio. Mr. Ajay Sudhir Bale from Department of Electronics and Communication Engineering received the award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution. (Fig.3)



Fig.3. Mr. Ajay Sudhir Bale received award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

Category 4: Best Department supporting Quality Publication Award

About the Award:

The Best Department Supporting Quality Publications Award is presented annually to recognize departments that have shown exceptional dedication to supporting high-quality research and publications. The award highlights the integral role departments play in the academic success of their faculty and the broader impact on their fields.

The recipient of the CY 2023 **Best Department Supporting Quality Publications Award**: “Department of Mechanical Engineering, New Horizon College of Engineering”.

This prestigious award is given to the department of mechanical engineering that has demonstrated exceptional support and encouragement for high-quality scholarly publications. This support reflects the department’s commitment to fostering research excellence and contributing to the academic community’s advancement. Prof. Rakesh C, Sr. Assistant Professor and HoD i/c on behalf of faculty members from Department of mechanical engineering received the award from Honourable Chairman of NHEI. (Fig.4)

Key Highlights of [Department of Mechanical Engineering]'s Achievement:

- Faculty members from mechanical engineering have consistently published influential and high-impact research in leading journals, showcasing the department’s commitment to excellence in scholarly output with 62 publications for the Calendar Year 2023. The department fosters a collaborative and intellectually stimulating environment that encourages innovative research and scholarly excellence.



Fig.4. Prof. Rakesh C received award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

This award celebrates the department's exceptional role in nurturing a culture of quality and impactful research, which not only advances knowledge but also sets a benchmark for academic excellence.

Category 5: Best Department supporting Patent Publication Award

About the Award:

The Best Department Supporting Patent Publication Award is presented annually to recognize departments that excel in supporting and promoting patent publication. This award highlights the critical role departments play in nurturing innovation and ensuring that groundbreaking ideas are protected and advanced.

We are delighted to announce the recipient of this year's Best Department Supporting Patent Publication Award: "**Department of Master of Computer Applications, New Horizon College of Engineering**".

This esteemed award is presented to the department that has demonstrated exceptional support and facilitation of patent publication, highlighting its commitment to fostering innovation and technological advancement **around 29 Indian patents published.**

Key Highlights of [**Department of Master of Computer Applications**]'s Achievement:

- Exceptional Support Systems: [**Department of Master of Computer Applications**] has established outstanding support structures that significantly aid in the patenting process.
- High Volume of Patents published for the Calender Year 2023: **29**
- **Department of Master of Computer Applications** actively promotes a culture of innovation through [mention specific initiatives, such as innovation incubators, patent workshops, or collaboration with industry partners], which has led to a robust patent

portfolio. The department fosters an environment conducive to innovation, where researchers and inventors are encouraged to develop and protect their intellectual property.

Dr Asha V, Professor and HoD on behalf of faculty members from Department of Master of Computer Applications received the award from Honourable Chairman of NHEI. (Fig.5)



Fig.5. Dr Asha V received award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

This award acknowledged [Department of Master of Computer Applications]'s vital role in supporting and enhancing the patenting process, thus significantly contributing to the advancement of technology and industry standards.

Category 6: Department with Highest number of KSCST Projects Award

About the Award:

The main objective of Karnataka State Council of Science and Technology (KSCST), Government of Karnataka is to identify the applications of science and technology necessary for the development of the state and formulate policies, plans and programs related to science and technology, initiate new projects and programs, coordinate with various departments of the state government and implement the programs from the student community.

The Department with Highest Number of KSCST Projects Award is presented annually to recognize departments that have shown outstanding participation and achievement in KSCST initiatives. This award celebrates the department's dedication to advancing science and technology through active involvement in significant projects.

The recipient of this the AY 2023-24 for **Department with Highest Number of KSCST Projects Award** is “Department of Artificial Intelligence and Machine Learning, New Horizon College of Engineering”.

This prestigious award recognized the department that has demonstrated exceptional engagement with KSCST projects, reflecting a strong commitment to scientific and technological advancement.

Key Highlights of [Department of Artificial Intelligence and Machine Learning]'s Achievement:

- **Around Ten Projects from** Department of Artificial Intelligence and Machine Learning has successfully undertaken and managed [specific number] KSCST projects, showcasing a high level of involvement and contribution to scientific research and innovation. The projects led by
- The department has exhibited outstanding project management skills, ensuring successful project completion and impactful results.
- Department of Artificial Intelligence and Machine Learning has provided robust support and resources for KSCST projects, fostering a thriving research environment that encourages innovation and discovery.

Dr. N V Uma Reddy, Professor and HoD on behalf of faculty members from Department of Artificial Intelligence and Machine Learning received the award from Honourable Chairman of NHEI. (Fig.6)



Fig.6. Dr. N V Uma Reddy received award from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

This award highlighted the Department of Artificial Intelligence and Machine Learning exceptional role in driving scientific research and technological advancement through its extensive engagement with KSCST projects.

Congratulations to [Department of Artificial Intelligence and Machine Learning] for this well-deserved recognition and look forward to their continued contributions to research and innovation.

Category 7: Appreciation to Funded Projects

Certificate of Appreciation to Academic Grant titled “Engagement of Civil Academia for conduct of Academic Activities for Air Force technical College, Bangalore” funded by ministry of Defence, Government of India with tune of Rs. 42, 87,000 / - . The Principal Investigator for this project is Dr. Anandhi R J, Professor and Dean Academics of NHCE. The below mentioned Interdisciplinary faculty members team received Certificate of Appreciation from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution. (Fig.7)

The Interdisciplinary faculty members team are

1. Dr. Sujitha S, Professor, Department of EEE
2. Dr. Jayanthi M, Associate Professor, Department of ECE
3. Ms. Smitha B S , Sr. Assistant Professor, Department of Automobile Engineering
4. Ms. Asha Rani Borah, Sr. Assistant Professor, Department of CSE
5. Dr. Jaysheel Kumar K A, Department of Automobile Engineering



Fig.7. Interdisciplinary faculty members team received Certificate of Appreciation from Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution

These awards reflected the faculty members commitment towards advancing in science and technology in addition to recognized the remarkable efforts of driving progress in their respective fields. Once again, congratulations on this prestigious accolade. We look forward to seeing the continued advancements and contributions you will bring to your field.
