



# ARMY INSTITUTE OF EDUCATION



Affiliated to Guru Gobind Singh Indraprastha University, New Delhi

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'Institute under the aegis of Army Welfare Education Society (AWES)

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## 9a – . Conferences Organized (Academic Session 2023-24)

S.No	Name of The Event	National/International	Date
1.	International Conference on "Indigenous Knowledge System for Sustainable Future"	INTERNATIONAL ISBN:978-81-968864-3-4 ISBN:978-81-972631-3-2	21 February 2024





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# INDIGENOUS KNOWLEDGE SYSTEM FOR SUSTAINABLE FUTURE

SPONSORED BY ICSSR

INTERNATIONAL CONFERENCE PROCEEDINGS

PART-1



Editor-in-Chief  
Dr Abhilasha Gautam

Editors  
Dr Jyoti Tiwari  
Dr Saldalavi Kundupuzhakkal  
Mr Karthikeyan P

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PART - 2

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**INTERNATIONAL CONFERENCE  
 SPONSORED BY ICSSR, NEW DELHI**



on  
**'INDIGENOUS KNOWLEDGE SYSTEM FOR SUSTAINABLE FUTURE'**  
 (21 Feb 2024)  
**PROGRAMME SCHEDULE- TENTATIVE**

TIME	EVENTS
0900-1000 hrs	Registration
<b>1000-1230 hrs</b>	<b>INAUGURAL SESSION</b>
1000-1010 hrs	Invocation & Lamp Lighting
1010-1020 hrs	Felicitation of Guests
1020-1030 hrs	Release of Conference Proceedings
1030-1040 hrs	Opening Address by <b>Lt Gen Bhavnish Kumar, VSM, GOC Delhi Area &amp; Patron AIE</b>
1040-1045 hrs	Welcome Address by <b>Dr Abhilasha Gautam, Principal AIE</b>
1045-1050 hrs	Address by <b>Brig Atul Rajput, BGS, HQ Delhi area</b>
1050-1110 hrs	Keynote Address by <b>Prof Dr Radhe Shyam Sharma, OSD, Delhi School of Climate Change &amp; Sustainability, University of Delhi, Delhi</b>
1110-1130 hrs	Keynote Address by <b>Dr Vinnaras Nithyanatham, Dean and Associate Professor, Department of Education, DMI St. John The Baptist University Mangochi, Malawi South East Africa (Online)</b>
1130-1150 hrs	Address by the <b>Guest of Honor Ms Kesang Yangzom Sherpa, IRS, Member Secretary, NCTE</b>
1150-1210 hrs	Address by the <b>Chief Guest Prof R K Sinha, VC, Gautam Budh University</b>
1210-1215 hrs	Vote of Thanks by <b>Col Abhay Rajvanshi, Registrar &amp; HoA, AIE</b>
1215-1220 hrs	National Song
1220-1230 hrs	Group Photograph
<b>1230-1300 hrs</b>	<b>Lunch Break</b>



<b>1300–1500 hrs</b>	<b>TECHNICAL SESSIONS III &amp; IV (OFFLINE)</b>
<b>1300-1500 hrs</b>	<b>Technical Session III – Resource Person &amp; Chair: Air Commd. (Retd) Dr J K Sahu, Director AIMT</b> <b>Technical Session IV- Resource Person: Dr Niradhar Dey, Associate Professor School Education IGNOU, New Delhi</b>
<b>1430–1445hrs</b>	<b>Welcome Tea for Valedictory Session Guests</b>
<b>1450-1700hrs</b>	<b>VALEDICTORY SESSION</b>
1450-1455 hrs	Felicitation of Guests
1455-1500 hrs	Welcome Address by <b>Dr Abhilasha Gautam, Principal, Army Institute of Education, Greater NOIDA</b>
1500-1510 hrs	Opening Address by <b>Maj Gen Sumit Mehta, VSM, COS Delhi area and Chairman, AIE</b>
1510-1530 hrs	Valedictory Address by <b>Air Commd. (Retd) Dr J K Sahu, Director AIMT</b>
1530-1550 hrs	Address by <b>Eminent Speaker Maj Gen A K Chaturvedi, AVSM, VSM</b>
1550-1610 hrs	Address by <b>Dr Niradhar Dey, Associate Professor School Education IGNOU, New Delhi</b>
1610-1615 hrs	Report of the National Seminar by <b>Mr Karthikeyan.P, Conference Co-convener, Assistant Professor, AIE</b>
1615-1625hrs	Vote of Thanks by <b>Dr Jyoti Tiwari, Conference Convener Assistant Professor, AIE</b>
1625-1640 hrs	Certificate Distribution
1640-1645 hrs	National Anthem
1645-1700 hrs	Group Photograph
<b>1100 hrs Onwards</b>	<b>TECHNICAL SESSIONS I &amp; II (ONLINE)</b>
	<b>Technical Session I- Resource Person &amp; Chair: Dr Sivachandiran Sivaraju, Deputy Dean of Studies in International Training Institute, Lae Campus, Papua New Guinea</b> <b>Technical Session II – Keynote Address: Prof N M Khandelwal, Hony. Director Ved Vyas Chair of Indian Management</b> Resource Person & Chair: <b>Prof Dr Rita Arora, Former Professor &amp; Dean at University of. Rajasthan, Jaipur, Director School of Education at Jaipur National University</b> <b>Valedictory Address Online: Beatriz Lucia Salvador Bizotto, Professor, Unifacvest University Center, Brazil</b>



*\_Schedule for International Conference held on 21 February 2024*



## Report of International Conference

**SPONSORED BY ICSSR, NEW DELHI**



### 'Indigenous Knowledge System for Sustainable Future'

**Date: 21 Feb 2024**

Army Institute of Education, Greater Noida organised **ICSSR sponsored** International Conference on the theme '**Indigenous Knowledge System for Sustainable Future**' on the auspicious occasion of its Foundation Day on **21 Feb 2024** in hybrid mode.

Around 350 participants attended the event comprising the students, presenters, participants, resource persons and in-house faculties.

Total views on online through AIE YouTube channel was 425 on the day of the Conference.

The conference boasted a diverse array of presentations from 33 Universities/ Colleges with 102 papers presented in total, featuring contributions from both national 100 and international 02 presenters from Sharda & Galgotia University, Greater Noida

**Distinguished Eminent guests for the day were:**

**Chief Guest**

**Prof R K Sinha, VC**

Gautam Buddha University  
Greater Noida

**Guest of Honour**

**Ms Kesang Yangzom Sherpa, IRS**

Member Secretary, National Council for Teacher Education (NCTE), New Delhi

**Key Note Address**

**Lt Gen Bhavnish Kumar, VSM**

GOC Delhi Area & Patron

**Brig Atul Rajput, BGS, HQ Delhi Area**



**Maj Gen Sumit Mehta, VSM**  
COS Delhi area and Chairman

**Maj Gen A K Chaturvedi, AVSM, VSM**

**International Speakers**

No	Name	Designation
1	Dr. Vinnaras Nithyanatham	DEAN and Associate Professor Department of Education, DMI St. John The Baptist University, Mangochi, Malawi South East Africa
2	Dr Sivachandiran Sivaraju	Deputy Dean of Studies in International Training Institute, Lae Campus, Papua New Guinea
3	Dr Beatriz Lucia Salvador Bizotto	Professor, Unifacvest University Center, Brazil

**National Speakers**

S No	Name	Designation
1	Prof Dr Radhe Shyam Sharma	Delhi School of Climate Change & Sustainability, University of Delhi, Delhi
2	Dr. Niradhar Dey	Associate Professor School Education IGNOU, New Delhi
3	Air Commd. (Retd) Dr J K Sahu	Director, Army Institute of Education Greater Noida
4	Prof Dr Rita Arora	Former Professor & Dean at University of Rajasthan, Jaipur, Director School of Education at Jaipur National University
5	Prof N M Khandelwal	Chairman Ved Vyas Chair, Shri Govind Guru University Godhara, Gujarat

**List of Universities participated in the Conference through Paper Presentations-**

1. University of Lucknow, Lucknow, UP
2. Amity University, Noida, UP
3. SNDT Women's University, Pune, Maharashtra
4. TSR & ERR Govt. College, Vijayawada, AP
5. Jamia Millia Islamia, New Delhi
6. University of Delhi, Delhi
7. GGSIP University, New Delhi
8. Galgotias University, G.B. Nagar, UP
9. CCS University, Meerut, UP
10. MDU, Rohtak, Haryana
11. Sharda University, Greater Noida, UP
12. University of Rajasthan, Jaipur, Raj
13. KRP College of Education, Pachampalayam, Sankari West
14. Brainware University
15. Unity College of Teacher Education, Dimapur, Nagaland
16. Alagappa University, Tamil Nadu
17. IIMT University, Meerut
18. University of Kalyani, West Bengal



19. Uttarakhand Open University, Rishikesh
20. Degree College Sahjanwa, Gorakhpur, UP
21. P G College Jalesar, Etah UP
22. University of Allahabad, Prayagraj
23. A.M.U. Aligarh, UP
24. M.J.P Rohilkhand University, Bareilly
25. D.A.V. (PG) College, Dehradun
26. Mangalmay Institute of Management and Technology
27. K.R.Mangalam University, Gurugram, Haryana
28. Dayananda Sagar University, Bangalore
29. Bhagat Phool Singh Mahila University, Sonapat, Haryana
30. Mahatma Gandhi Khashi Vidhyapeeth, Varansi
31. Sambhal MJP Rohilkhand University
32. NCERT, New Delhi
33. IES University, Bhopal

**List of Schools participated in the Conference through Paper Presentations-**

1. Army Public School Kamaraja Road, Bangalore
2. Billabong High International School, Noida



**Flyer Design**



**Welcoming the Chief Guest, VC GBU & Brig Atul Rajput**





Welcoming the Guests

## OPENING CEREMONY & INAUGURAL SESSION

The inaugural session was initiated by the hosts Shagun Bhagaur and Jharashree, student teachers of B.Ed. Batch 2022-2024, extended a warm welcome to all participants in the International conference conducted in hybrid mode. The inaugural ceremony commenced with a worship of Goddess Saraswati with lamp lighting in the seminar hall by **Chief Guest Prof R K Sinha, esteemed Vice Chancellor Gautam Buddha University, Greater Noida**, along with **Dr. Abhilasha Gautam, Principal of AIE**, and other esteemed dignitaries, seeking for divine blessings for the event. The key moment of the conference was the unveiling of the proceedings. All esteemed dignitaries presented the conference proceedings with joyous and radiant expressions.



Glimpses of Lamp Lighting



Felicitation of Guests and Releasing of Proceeding





**Dr. Abhilasha Gautam, Principal AIE** extended a warm welcome to the dignitaries, esteemed resource persons, paper presenters and scholars, participants, faculties, and student teachers of Army Institute. In her address, she emphasised on different facts concerning Indigenous knowledge systems and their relevance for ensuring a sustainable future. Principal AIE conveyed her sincere wishes for the success of the International conference.



**Welcome Address by Dr Abhilasha Gautam, Principal AIE**

**Lt Gen Bhavnish Kumar, VSM, GOS Delhi area and Patron of AIE**, began his remarks by expressing appreciation to the Army Institute of Education, Greater Noida, for hosting the International conference on theme "Indigenous Knowledge System for Sustainable Future." He proceeded to outline how we can shape a sustainable future, emphasizing the significance of indigenous knowledge in our present and future generations. Lt Gen commended the entire team at AIE for selecting this pertinent topic and for the considerable volume of papers received on this subject.

**Brig Atul Rajput, BGS, HQ Delhi Area** addressed the audience and congratulated the Principal, Staff and students of AIE



**Opening Virtual Address by Lt Gen Bhavnish Kumar, VSM, COS Delhi Area & Patron AIE**

**Professor Dr. Radhe Shyam Sharma, OSD at the Delhi School of Climate Change & Sustainability, University of Delhi**, delivered the keynote address. Professor Sharma commended the AIE team for organizing the International Conference on its foundation day. He also congratulated the students affiliated with AIE, wishing them success in their future endeavours. Sir had given the emphasis on the significance of indigenous knowledge in fostering and shaping a brighter, more optimistic future for our learners. Indigenous knowledge includes lots of smart ways that we can learn and execute. This knowledge is like a treasure chest full of good ideas.

**Dr Vinnaras Nithyanatham, Dean and Associate Professor, Department of Education, DMI St. John the Baptist University Mangochi, Malawi South East Africa** addressed about the integration of indigenous knowledge in education sector to keep keeps alive and strengthens our cultural heritage. As we can observe today's education set up, we can grab the chance to add indigenous viewpoints to what we teach in classrooms. This will make learning more interesting for students and help them feel more connected to nature.





**Keynote Address by Prof Dr Radhe Shyam Sharma, OSD, Delhi School of Climate Change & Sustainability , University of Delhi, Delhi &**

**Dr Vinnaras Nithyanatham, Dean and Associate Professor, Department of Education, DMI St. John The Baptist University Mangochi, Malawi South East Africa**

**The Conference's chief guest, Prof. R K Sinha, the Vice-Chancellor of Gautam Buddha University, Greater Noida, addressed the audience, highlighting the importance of traditional knowledge systems. He emphasized how indigenous communities, over generations, have lived in harmony with nature, utilizing their profound connection to the land and ancestral wisdom to ensure sustainability for future generations. Prof. Sinha shared some examples from his experiences to illustrate the points to the students.**



**Address by Chief Guest**

**Ms. Kesang Yangzom Sherpa, IRS & Member Secretary of NCTE, honored the inaugural session as the guest of honor. She began her speech by reflecting on the memorable moments from the previous international conference. Ms. Sherpa commended Team AIE for their efforts in organizing another conference with an innovative theme. Throughout her address, she underscored the importance of indigenous knowledge in the new ITEP and other programs initiated by NCTE. Finally, she extended a warm invitation to the AIE Team to visit NCTE once again.**





**Address by Guest of Honor Ms Kesang Yangzom Sherpa, IRS, Member Secretary, NCTE and Group photo with NCTE Members**

The Inaugural session concluded with the Vote of thanks delivered by Col Abhay Rajvanshi, Registrar & HoA, AIE and National song performed by Student teachers under the guidance of Mr.Chinatan Kapoor, Asst Prof AIE



**Vote of Thanks and National Song**



**Group photo with Chief guest & eminent guests**



**Lunch by the Guests in natural environment**

## **TECHNICAL SESSIONS**

The technical sessions commenced after the inaugural session. The international conference consisted of four parallel technical sessions, offered in both online and offline modes. Each session had a Chair and Co-chair, both proficient in their respective fields. Authors were allotted 5 minutes for presenting their papers, followed by a 1 minute for question and answer sessions. The conference was designed to encourage interaction and dialogue among participants.

### **TECHNICAL SESSION: 1(ONLINE)**

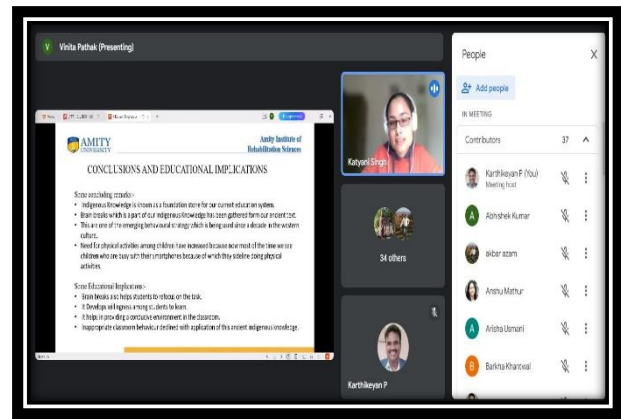
**Dr. Sivachandiran Sivaraju, Deputy Dean of Studies at the International Training Institute, Lae Campus, Papua New Guinea**, chaired the Technical Session I. The session had total of 35 paper presentations.

Technical session started at 11:00am with virtual invocation and lamp lighting. Mr. Karthikeyan P, Asst. Prof, AIE & Co-convenor gave welcome address. The paper presenters very enthusiastically covered the various aspects of Indigenous knowledge starting from indigenous food and farming to indigenous leaders as role models. Keynote address was delivered by **Dr Siva Chandiran Siva Raju, Deputy Dean of Studies in International Training Institute, Lae Campus, Papua New Guinea**. He gave us a different perspective by combining ecological knowledge with AI (Artificial Intelligence). He stressed upon the synergy between ecology and artificial intelligence that could help solve global challenges including climate change. He gave the examples of sustainable agriculture, rain water harvesting, environmental leadership, organic farming, disaster management and many more. After the lecture the resource person answered the questions raised by the audience. The discussion primarily centred around summing up the points which was an amalgamation of different perspectives. Dr. Sivachandiran summarised his address by extending congratulations to the organizers of the International Conference and the presenters of the papers.

Ms. Saswati Mohapatra, Asst. Prof. AIE gave the vote of thanks. Sakshi Chauhan (B.Ed. Batch 2022-24) and Kumari Latash (B.Ed. Batch 2022-24), student teachers of AIE were the anchors of the session.

Session In-charge- **Mr. Karthikeyan P, Asst. Prof, AIE & Ms. Saswati Mohapatra, Asst. Prof, AIE**





Glimpses of Paper Presentations in Technical Session I, Chaired by Dr. Sivachandiran Sivaraju

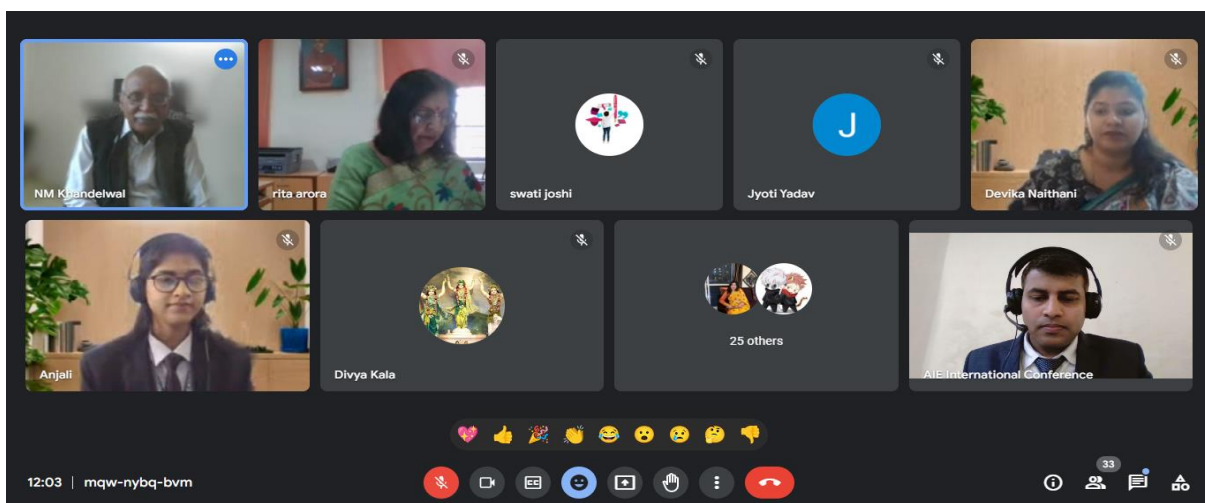
## TECHNICAL SESSION: 2(ONLINE)

Prof Dr Rita Arora, Former Professor & Dean at University of Rajasthan, Jaipur, Director School of Education at Jaipur National University chaired the technical session-2.

Technical session started at 11:00am with virtual invocation and lamp lighting. Dr. Saidalavi K, Asst. Prof, AIE & Co-convenor gave welcome address. Keynote address was delivered by **Prof. N M Khandelwal, Hony. Director, Ved Vyas Chair, Shri Govind Guru University, Godhra, Gujrat.** He talked about the importance of reviving the Gurukul education system. He also highlighted the features of Gurukul education such as autonomy of Guru, Self sustaining system, equal opportunity. By referring to Gita he told that in the Gurukul model of education the dialogue method was used. He criticised colonial, medieval, and liberal era education. He also hinted about the demerits of privatization of education. After the lecture the resource person answered the question raised by the audience.

In this technical session **33 research papers** were presented followed by expert remarks by session chair. Ms. Devika Naithani, Asst. Prof. AIE gave the vote of thanks. Jyoti Yadav (B.Ed. Batch 2022-24) and Anjali Kumari (B.Ed. Batch 2022-24), student teachers of AIE were the anchors of the session.

Session Incharge- **Ms.Devika Naithani Asst Prof AIE and Mr.Saidalavi, Asst Prof AIE**



Paper Presentations in Technical Session II, Chaired by Prof Dr Rita Arora



### TECHNICAL SESSION: 3 (OFFLINE)

**Air Commd Dr. J K Sahu, Director, Army Institute of Management Technology Greater Noida** chaired the technical session 3 at Seminar hall.

Technical session-3 started at 1:00 PM with welcome and felicitation of guest by Dr. Abhilasha Gautam, Principal, AIE. In this technical session **15 research papers** were presented followed by expert remarks by session chair Air Commodore. Dr. J K Sahu, Director, AIMT. Each participant was given a time limit of 4 minutes and 1 minute was allotted for question-answer session.

Session chair gave his valuable feedbacks to participants and emphasized that sample size should be appropriate at least 300 for proper generalisation of study and for qualitative papers sufficient number literatures should be surveyed. Dr. Azkia Khan, Asst. Prof. AIE gave the vote of thanks.

Anjali Singh (B.Ed. Batch 2022-24) and Priti Bera (B.Ed. Batch 2023-25), student teachers of AIE were the anchors of the session.

Session Incharge- Dr.Azkiya Khan Asst Prof AIE (Session Incharge)



**Paper Presentations in Technical Session III**

### TECHNICAL SESSION: 4 (OFFLINE)

**Dr Niradhar Dey, Associate Professor School Education IGNOU, New Delhi**, chaired this technical session 4. Ms. Micki Rawat (B.Ed. Batch 22-24) and Ms. Neelu (B.Ed. Batch 2023-25) anchored the session.

During the technical session, a total of **16 papers** were presented. At the beginning of his remarks, Dr Dey extended congratulations to the organizers of the International Seminar and the paper presenters for their contributions. Following the presentations, shared his insights and reflections on the topics presented. Dr Dey has given his insightful suggestions and mentioned about the indigenous knowledge usage and scope in our education field given emphasis on NEP 2020 and its significant role in school and higher education.

**Ms.Komal Choudhary Assistant Professor AIE** (Session In charge) proposed a vote of thanks to the session chair





Paper Presentations in Technical Session IV, Chaired by Dr Nirandhar Dey.

## VALEDICTORY SESSION

The Valedictory session began after the compliance of all technical sessions in parallel modes. Kumari Neha (B.Ed. Batch 22- 24) and Mr Gaurav (B.Ed. Batch 22-24), Student teachers anchored the valedictory session. The valedictory session begins with the felicitation of guests.



Anchors of valedictory session & Felicitation of Guests

**Dr. Abhilasha Gautam, Principal of AIE**, extended a warm welcome to the resource persons, paper presenters, and students during the valedictory session. The Opening Address was delivered by **Maj Gen Sumit Mehta, VSM, COS Delhi Area, and Chairman of AIE**, in virtual mode. He congratulated the team and expressed appreciation for the keynote addresses, mentioning his presence since the morning and attending all the sessions. He also extended gratitude to the chief guest and guest of honor for gracing the occasion of AIE's foundation day.

**Air Commodore (Retired) Dr. J K Sahu, Director of AIMT Greater Noida, and Dr. Nirander Dey, Associate Professor at the School of Education, IGNOU New Delhi**, addressed the audience, providing a concise overview of the feedback on the paper presentations. They concluded by summarizing key points related to indigenous knowledge with illustrative examples in relation to science and education.



Valedictory opening address by Principal AIE & Key note address by Maj Sumit Mehta, VSM, COS Delhi Area and Chairman of AIE





Valedictory address by Air Commnd.(Retd) Dr J K Sahu, Director AIMT & Dr. Nirander Dey, Associate Prof School of Education, IGNOU New Delhi

The keynote address delivered by Distinguished Speaker **Maj Gen A K Chaturvedi, AVSM, VSM**, was vibrant and engaging, captivating the student's attention. He provided a brief overview of the aims, objectives, and relevance of traditional knowledge for our future. Maj Gen commended the paper presenters and students for selecting these significant factual points for research purposes.



Address by Eminent Speaker Maj Gen A K Chaturvedi, AVSM, VSM

The report of the International conference was presented by Mr Karthikeyan.P, Conference Co-convener, Assistant Professor AIE and Vote of Thanks was proposed by Dr Jyoti Tiwari, Conference Convener Assistant Professor, AIE.



Vote of Thanks by Convener respectively

Certificates were distributed to the paper presenters and participants by the dignitaries.





The International Conference concluded with the National Anthem in Indian Sign language and a Group Photograph



Group Photographs and the ISL National Anthem

Report Compiled by Ms.Komal Choudhary,Asst Prof AIE



*Abhilasha Gautam*

**Dr. Abhilasha Gautam  
Principal AIE**