

ON THE
Wings of Fire
ASTI'S TEACHERS
CONFERENCE
REPORT 2016

Introduction

We, the Association of Science, Technology and Innovation, ASTI, have been organizing the National Science Fair for Young Children for the past 10 years. Over this time, we have found that students have started to excel and have won many awards both nationally and internationally. We have also been tracking the students and found out from our research that the main reason for the students' success is mainly due to effort taken by the important stakeholders, the students' teachers and their headmasters.

We found that these teachers are very motivated and with the right knowledge and empowerment, they are able to provide their students to the next levels of great achievements. Therefore ASTI decided to start the work to upskill and to empower these teachers to be future leaders of the community. Hence we decided to conduct a special programme for these teachers whom we have found to have shown exceptional motivation and exhibited amazing capabilities in bringing out the best in their students.

Thus have introduced the "On the Wings of Fire" series for this purpose. The first programme in this series is the ASTI's Teachers Conference 2016. This special conference for teachers was specially designed to help teachers to think of their students as a person and to understand that education and learning happens within the context of the socio-economic background of the community the student belong too. We also highlighted some alternative teaching methods in this conference and for the teachers to think themselves to be leaders of their community rather than just teachers. We also tried to network these teachers in order for them to get and share knowledge on a 'peer-to-peer' basis.

Objectives of "On the Wings of Fire" ASTI's Teachers Conference 2016:

- To help to train teachers to think in both a creative and critical manner. It consists of presentations and activities to help the teachers build these capacities and then to use them in their teaching and learning process.
- To use competitive and collaborative methods to produce positive outcomes when making choices.
- To help transform teachers to be positive 'change agents' and exhibiting true leadership within the community
- To network these capable teachers to share their knowledge and know-how
- To provide teachers with resources and guidance to help them with their teaching and learning needs.

"On the Wings of Fire" ASTI's Teachers Conference 2016 was made up of:

- Exciting workshop sessions under the guidance of skilled Trainers, instructors and practicener.
- Fun activities to help teachers realize their creative and critical thinking capabilities.

“On the Wing of Fire” ASTI’s Teachers Conference 2016 Agenda

Day 1, 12th November 2016, Saturday

9.00am

Arrival, Registration, Morning Tea

10.00am

Welcome Address

Housekeeping

Opening Address by the President of ASTI

10.30am

Speaker: Ms Daya Bhagwandas

Topic:

Empowering the Brain

12.30pm

Lunch

1.30pm

Speaker: Mr. Sethupathy Ramasamy

Topic:

**Problem Based Learning, Models and Strategies for e-learning and
Flipped Classroom Method**

3.30pm

Evening Tea Break

4.00pm

Speaker Coach Kamal Bin Kasim

Topic:

Using Sports To Inculcate Collaborative Learning And Discipline

6.00pm

Refresh

7.00pm

Dinner Hosted By

YB Dato’ P Kamalanathan A/L Panchanathan

Deputy Education Minister I

Ministry of Education, Malaysia

10.00 pm

End of Day 1

Day 2, 13th November 2016, Sunday

9.30am

Welcome Address

Housekeeping

10.00am

Speaker: Dr. Shanmuga Siva

Topic:

Understanding A Child's Behavior And Background During Teaching

12.30pm

Speaker: Mr.Rohn Rajan

Topic:

Educators are Transformational Leaders / Agents

1.45pm

Lunch

2.30pm

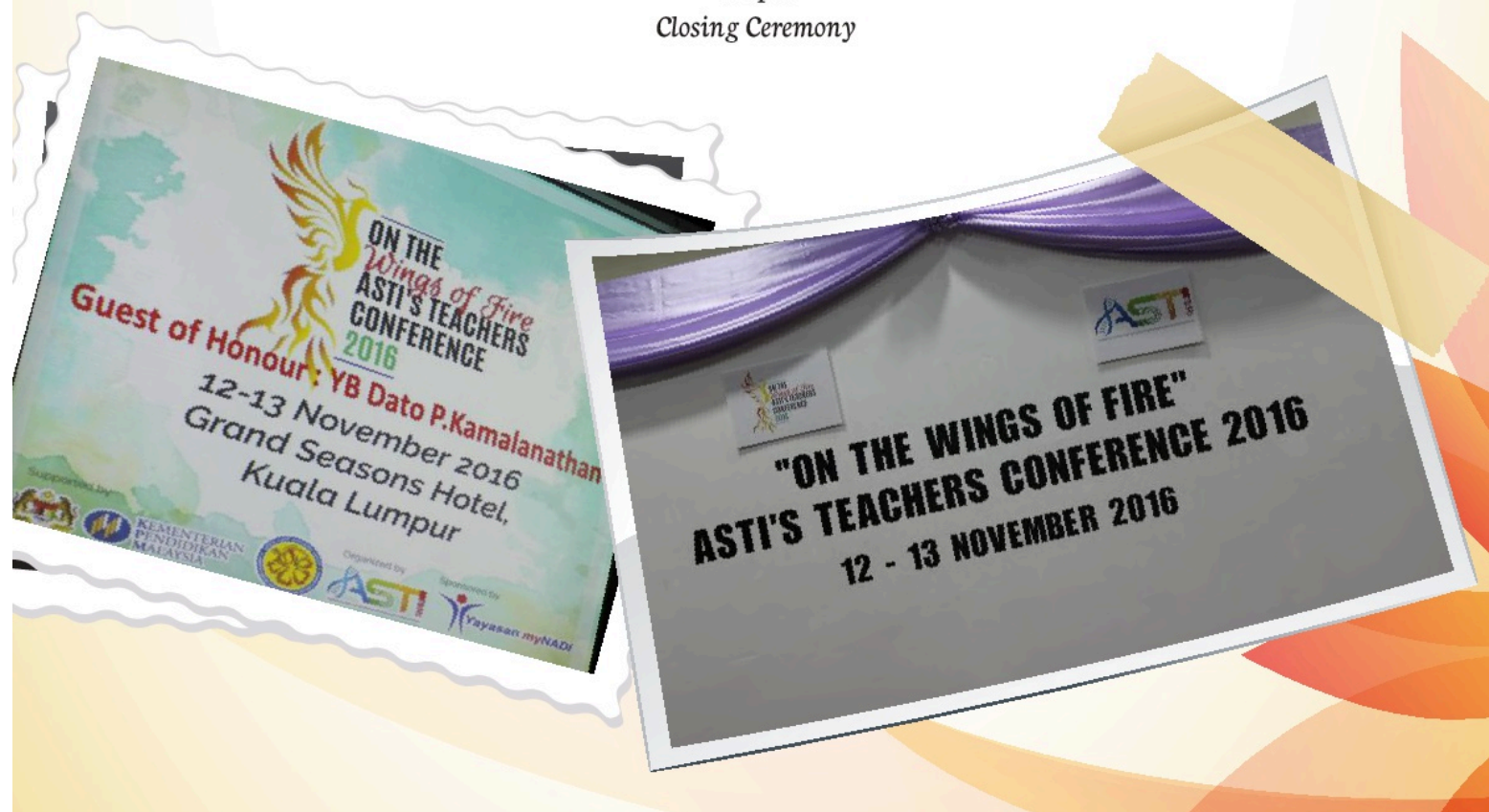
Speaker: Dato' Abdul Manap bin Abdul Wahab

Topic:

GURU - Change Leader

4.00pm

Closing Ceremony



Speakers Profile and Topic Summary



Ms Daya Bhagwandas

Ms Daya Bhagwandas is the Director of Neuro Network Australia. She has worked in the field of Neuro Education - a program for achieving human potential with children and adults. She gained her post-graduate training in neuroscience and early childhood development in United States of America and has since worked in Malaysia, Australia, India, United Kingdom and South Africa. She is also a qualified Speech Pathologist and Audiologist.

Topic Summary:

Empowering the Brain

Our central operating system is in the brain and we must know how to operate it. Educator means to 'draw out' in Latin. The problem that we face in Malaysia is faced in the whole world - to pay attention. There are two parts in the brain, the new brain and the old brain. In a computer, if the hardware is not working properly, the software in it will not work also. Our old brain is the hardware and the new brain is the software. Walking and talking are examples of the human software. All human beings are born with an old brain and a new brain. In the first year of our live, we go through evolution process.



Mr. Sethupathy Ramasamy

Mr. Sethupathy Ramasamy is a senior lecturer in Institut Pendidikan Guru Malaysia Kampus Temenggung Ibrahim, Johor Bahru, and has experience in teaching and learning for 23 years. He is the Head of Tamil studies in this teachers training college. His interest areas are focused on Teaching and Learning Approaches, Higher Order Thinking Skills (HOTS) and 21st Century Teaching and Learning Skills. He has been giving trainings and workshops to teachers on these topics nationwide. He has presented his research papers on teaching and learning in Malaysia, Singapore, India and Myanmar.

Topic Summary:

Problem Based Learning, Models and Strategies for e-learning and Flipped Classroom Method

The art of teaching is the art of assisting others. Teachers should

- stop teaching as if they have the answers*
- stop rushing because deep learning takes time*
- stop talking too much as a teacher should listen more and speak less*

Teachers should focus on real-world problems & processes, support inquiry-based learning experiences, provide opportunities for collaborative project approaches to learning, focus on teaching students how to learn than what to learn.



Coach Kamal Bin Kasim

Coach Kamal bin Kasim is the founder of the World Cup Vision Football Club and has had the club registered with the Commissioner of Sports Malaysia. He has volunteered to teach football to childrens in orphanages and also volunteers to visit and help patients in fected with the HIV/AIDS virus. He has also done a few programmes with the Lincoln Corner in KL Library (with the US Embassy).

Topic Summary:

Using Sports To Inculcate Collaborative Learning And Discipline

Learning requires confidence. Teaching also require confidence. He did some activities with the teachers to show that they can do things if they have confidence. He did another activity to show how to handle problems among students. To help students build confidence, the teacher should tell kids good and positive things every day to change the children's mindset and to instill good values. Discipline is important and can only be thought by example. Do not instruct the young person but reason with him/her. Explain the repercussion of their doing instead of just scolding.



Dr. Shanmuga Siva

Dr. M. Shanmuga Siva was born in Alor Setar, Kedah and received his primary education in Alor Setar. He graduated with a MBBS degree from Madurai Medical College, India and furthered his education with a Postgraduate in Dermatology & Venereology in Vienna, Austria. Pursuant to this, Dr. Shanmuga Siva obtained his Licentiate of the Faculty of Occupational Medicine, LFOM (Occupational Medicine) - from Ireland and CIME - USA. He is also a certified medical practitioner with the Ministry of Home Affairs Malaysia conducting Drug Dependence Treatment programmes. He is also the advisor of MySkills Foundation Malaysia.

Toipc Summary:

Understanding a Child's Behavior and Background During Teaching

Dr. Shanmuga Siva spoke about the importance of understanding the child. Like adults, the child also has their own stress. Every child is different. The teacher should become a friend and understand the socio-economic background of their student. Teachers should also equip themselves with sensitive topic such as sex education, bullying etc. since today even a young child have access to a lot of info via internet.



Mr. Rohn Rajan

Mr. Rohn Rajah is the Managing Director of RRC Worldwide (Malaysia) and Principal Partner / Consultant of Human Capital Group Asia Ltd (Hong Kong). He has been a Professional Trainer / Consultant for 25 years. He is a Neuro Linguistics Programming (NLP) practitioner and Accelerated Performance Technology (APT) learning methods Master Trainer. Mr. Rohn Rajan has an in-depth expertise and experience in facilitating his corporate clients on soft-skills which include personal management, change management, high performance culture, culture transformation, leadership and communication related trainings and corporate presentations.

Topic Summary:

Educators are Transformational Leaders / Agent

Teachers are leaders who can inspire students and help to nurture students. We should not just educate the minds of the youths, but should educate their hearts too. The roles of traditional teachers have changed over the years. The teachers now are the 21st century educators.



Dato' Abdul Manap bin Abdul Wahab

Dato' Abdul Manap bin Abdul Wahab is currently the President Direktur of Pt Sumber Energi Alam Lestari (Pt SEAL), a coal mining company in Kalimantan, Indonesia. He has been in this industry since he left the banking field in 2008. Prior to this he was the Chief Executive Officer of Bank Muamalat for 3 years from 2005 to 2007. During this period, together with his team, he turned around the bank from a loss of RM27 million to a profit of RM100 million.

- He also presently sits as an **Independent Director on 2 KLSE-listed companies** namely*
- ***Bermaz Auto Berhad** - the distributor of Mazda vehicles in Malaysia and Philippines*
 - ***Opensys Berhad** - a distributor and service provider of cash dispensers and ATM machines.*

Topic Summary:

GURU - Change Leader

The presentation was the final and a motivation presentation. There are 2 types of knowledge, formal and informal. All that we are is the result of our thoughts. Success is a process. The mind is everything. What we think, we become. Our beliefs guide our thoughts & actions. Change is a challenge to our beliefs. I'm responsible for the change in me. He defined success as achieving whatever is important to us without infringing the rights of others. The influence of a good teacher can never be erased from the mind of a child.

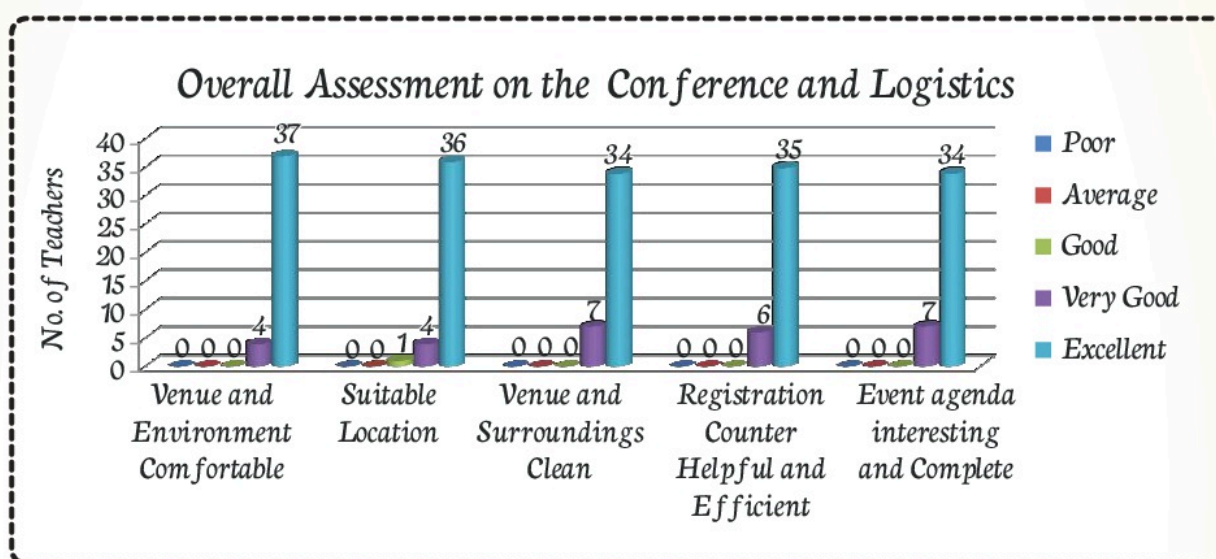
"ON THE WINGS OF FIRE"
ASTI'S TEACHERS CONFERENCE 2016
TEACHERS' LIST

No	State	School Name	Teacher's Name
1	Pahang	SJK (T) Karak	Ms. K. Indra
2	Pahang	SJK (T) Ladang Edensor	Mrs. Vikneswari
3	Pahang	SJK (T) Ladang Edensor	Ms. Nithiya Devi Palechami
4	Pahang	SJK (T) Ladang Blue Valley	Mrs. Sathiyakala
5	Pahang	SJK (T) Ladang Bee Yong	Ms. Rhubhambikhei Murugan
6	Pahang	SJK (T) Mentakab	Ms. Lalitha
7	Pahang	SJK (T) Mentakab	Mr. Thinagaran Mutthusamy
8	Penang	SJK (T) Ramakrishna	Ms. Mariayee
9	Penang	SJK (T) Bayan Lepas	Ms. Naline Karruppiah
10	Penang	SJK (T) Ladang Pyre	Ms. R. Gayathiry
11	Penang	SJK (T) Nibong Tebal	Ms. Vatsala
12	Penang	SJK (T) Ladang Alma	Ms. Inthara Pachaiappan
13	Penang	SJK (T) Ramakrishna	Ms. Kaminee
14	Perak	SJK (T) Mahatma Gandhi Kalasalai	Ms. Kanmani Thirumalay
15	Perak	SJK (T) Kg. Baru Batu Matang	Ms. Syiamala
16	Negeri Sembilan	SJK (T) Bandar Spring Hill	Ms. Sheela Arumugam
17	Negeri Sembilan	SJK (T) Ladang Repah	Mrs. Jothi Malar
18	Kedah	SJK (T) Ldg. Perbadanan Kedah	Ms. Rajeswari Nagan
19	Kedah	SJK (T) Ldg. Perbadanan Kedah	Ms. K. Yogeswary
20	Kedah	SJK (T) Somasundram	Ms. J. Jayaesvari
21	Kedah	SJK (T) Saraswathy	Ms. MK. Sarasvathy
22	Kedah	SJK (T) Somme	Mr. Gunasekaran
23	Wilayah	SJK (T) Vivekananda, Brickfields	Ms. Thenmoly Rajan

No	State	School Name	Teacher's Name
24	Selangor	SJK (T) Ladang Emerald Klang	Ms. Punitha Krishanasamy
25	Selangor	SJK (T) Taman Permata	Ms. Saraswathy Munian
26	Selangor	SJK (T) Taman Permata	Ms. Krisnavini Veli
27	Selangor	SJK (T) Kinrara	Ms. Sangkeri Gannasen
28	Selangor	SJK (T) Ladang Highlands	Mr. Selvam Sinnathamby
29	Selangor	SJK (T) Ladang Sungai Manggis	Mr. Pathmanathan Rajarethinam
30	Selangor	SJK (T) Pusat Telok Datok	Mr. Nanthakumar Sivaperumal
31	Melaka	SJK (T) Pulau Sebang	Mr. Kannan
32	Melaka	SJK (T) Merlimau	Ms. Raja Rogini Rajadurai
33	Melaka	SJK (T) Merlimau	Ms. Saratha
34	Melaka	SJK (T) Alor Gajah	Ms. Machap
35	Johor	SJK (T) Desa Cemerlang	Ms. D. Lechumi
36	Johor	SJK (T) Permas Jaya	Ms. Vijayalechemi Venkitasan
37	Johor	SJK (T) Kangkar Pulai	Ms. G. Puzpzyzthi
38	Johor	SJK (T) Kangkar Pulai	Mrs. Gomathy
39	Johor	SJK (T) Jalan Yahya Awal	Ms. Logeswari
40	Johor	SJK (T) Taman Tun Aminah	Ms. Puvaneswari Arumugam
41	Johor	SJK (T) Taman Tun Aminah	Ms. Komathy Naliane
42	Johor	SJK (T) Mersing	Mr. Sanmuga Krishnan
43	Negeri Sembilan	SJK (T) Ladang Siliau	Ms. Devi Shunmugam
44	Perak	SJK (T) Changkat	Ms. S. Nagadevi
45	Pahang	SJK (T) Mentakab	Ms. A. Saraswathy
46	Perak	SJK (T) Ladang Jenderata 2	Ms. Prema Ganapathy

Survey Analysis

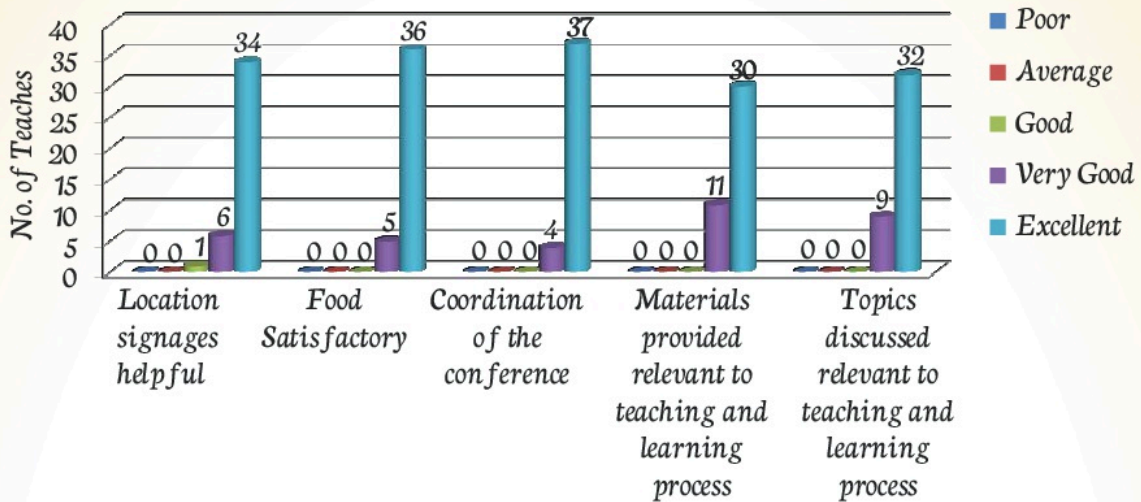
A survey was done to get the teachers' feedback and opinion on the conference. The teachers were also requested to assess the presenters in the survey forms that were distributed to them. A total of 41 teachers gave their views in this survey.



Graph 1: Overall Assessment on the Conference and Logistics

The above graph is the overall assessment on the conference and logistics. The teachers were requested to give their assessment on the venue & environment's com fortability, location's suitability, cleanliness of the venue & its surroundings, how helpful and efficient the registration counter was and if the event agenda was interesting & complete. Thirty seven teachers said the venue and environment's com fortability were excellent and 4 teachers said it was very good. On the location's suitability, 36 teachers said it was excellent, 4 teachers said it was very good and 1 teacher said it was good. For cleanliness of the venue and its surroundings, 34 teachers rated it as excellent and 7 teachers very good. 35 teachers and 6 teachers rated helpfulness and efficiency of the registration counter as excellent and very good respectively. When asked if the event agenda was interesting and complete, 34 teachers and 7 teachers said it was excellent and very good respectively. We can see that the overall satisfaction is high among the teachers in relation to the venue and running of the program.

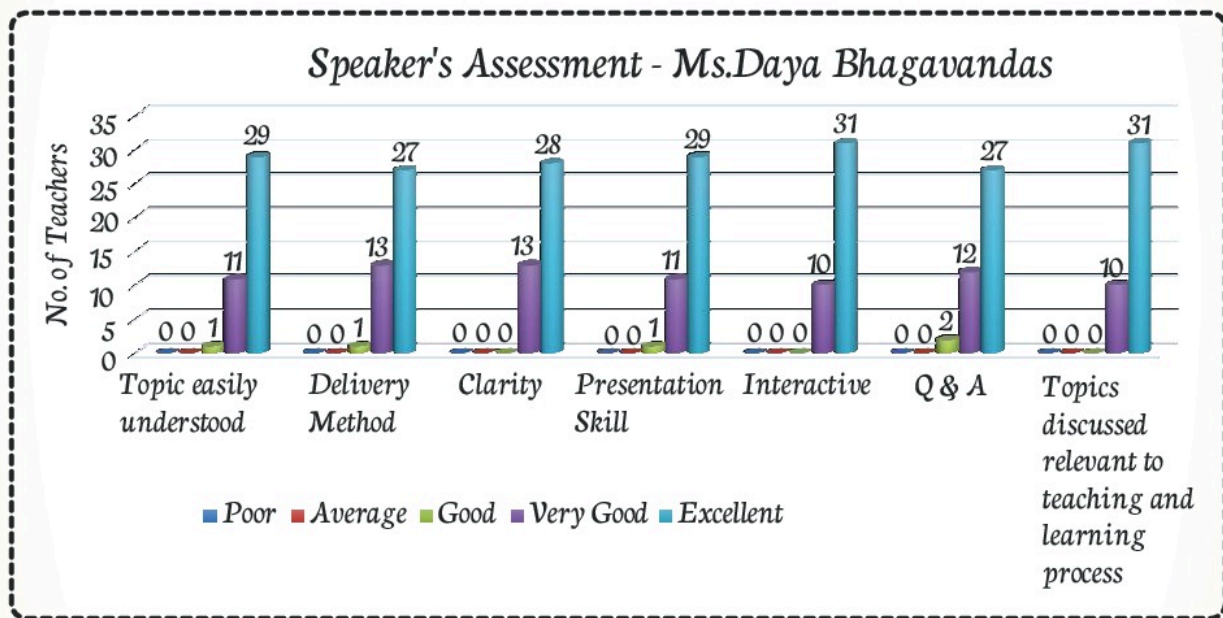
Overall Assessment on the Conference and Logistics



Graph 2 : Overall Assessment on the Conference and Logistics

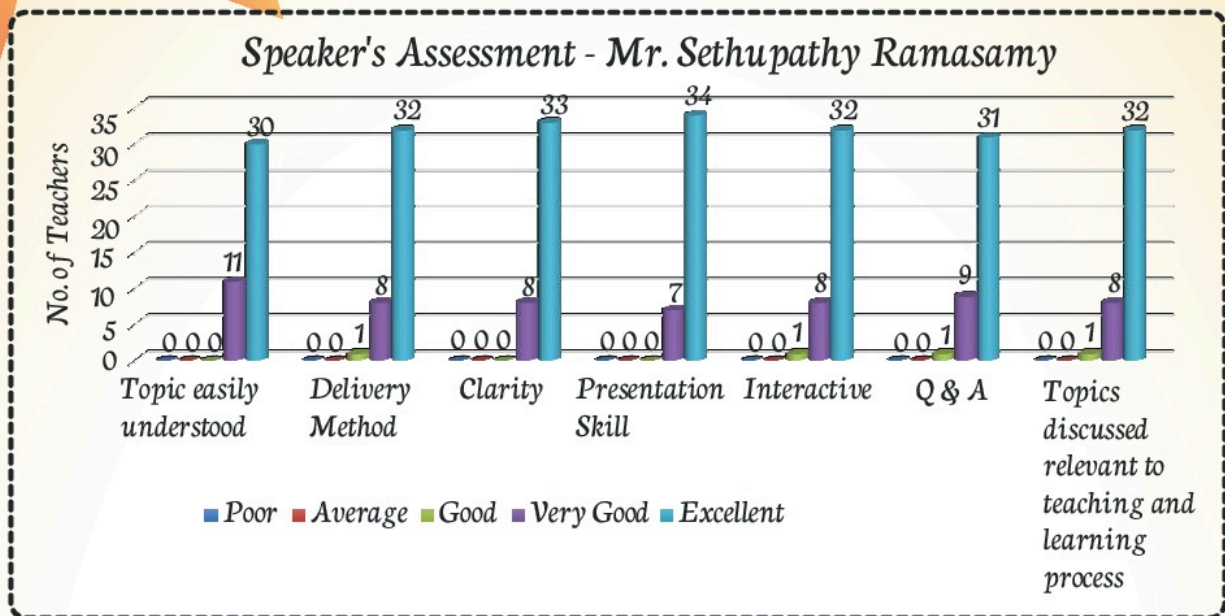
Graph 2 is also on the overall conference and logistics assessment but the questions asked were if the location signages were helpful, was the food served satisfactory, coordination of the conference, relevancy of the materials provided for teaching and learning process and relevancy of the topics discussed to teaching and learning process. To the question if the location signages were helpful and satisfactory, 34 teachers answered excellent, 6 teachers answered very good and 1 teacher answered good. Whether the food served was satisfactory, 36 teachers said excellent and 5 teachers said very good. When asked about the coordination of the conference, 37 teachers said it was excellent and 4 teachers said it was very good. 30 teachers and 11 teachers rated relevancy of the materials provided for teaching and learning process as excellent and very good respectively. Meanwhile 32 and 9 teachers rated the relevancy of the topics discussed to teaching and learning process as excellent and very good respectively.





Graph 3 : Speaker's Assessment - Ms. Daya Bhagavandas

Graph 3 shows the assessment on the talk given by Ms. Daya Bhagavandas's assessment. She was the first speaker at the 2 days conference. 29 teachers, 11 teachers and 1 teacher rated if the topic was easily understood as excellent, very good and good. Her delivery method /communication was rated as excellent, very good and good by 27 teachers, 13 teachers and 1 teacher respectively. The presenter's clarity was said to be excellent and very good by 28 and 13 teachers. For her presentation skills, 29 teachers said it was excellent, 11 teachers said very good and 1 teacher said good. 31 and 10 teachers said interactive during presentation was excellent and very good. The Q & A Session was said to be excellent, very good and good by 27 teachers, 12 teachers and 1 teacher respectively. When the teachers were asked if the topic discussed were relevant to their teaching and learning process in school, 31 teachers said excellent and 10 teachers said it was very good.



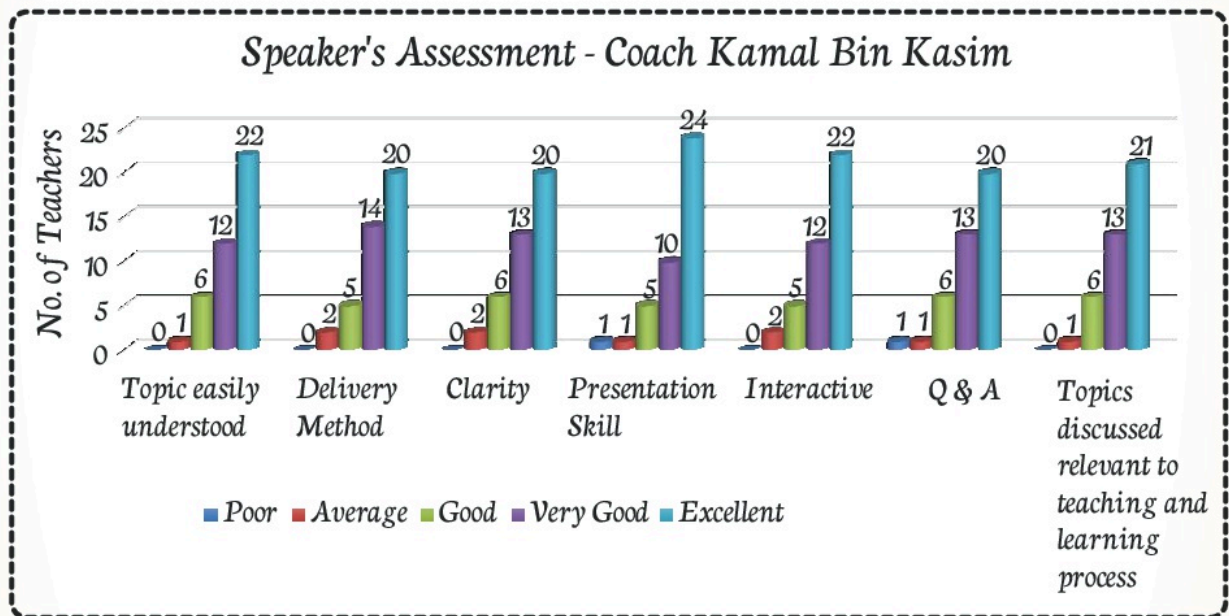
Graph 4 : Speaker's Assessment – Mr. Sethupathy Ramasamy

The participants' assessment on Mr. Sethupathy Ramasamy is shown in Graph 4. 30 teachers said the topic presented was excellent and 11 teachers said it was very good. For his delivery method, 32 teachers, 8 teachers and 1 teacher rated it as excellent, very good and good respectively. The presenter's clarity was rated excellent and very good by 33 and 8 teachers respectively. 34 and 7 teachers rated Mr. Sethupathy's presentation skill as excellent and very good. 32 teachers, 8 teachers and 1 teacher said the interactive in his session was excellent, very good and good. His Q & A Session was said to be excellent, very good and good by 31 teachers, 9 teachers and 1 teacher respectively. For the topic's relevancy to the teaching and learning process in schools, 32 teachers, 8 teachers and 1 teacher rated it as excellent, very good and good respectively.





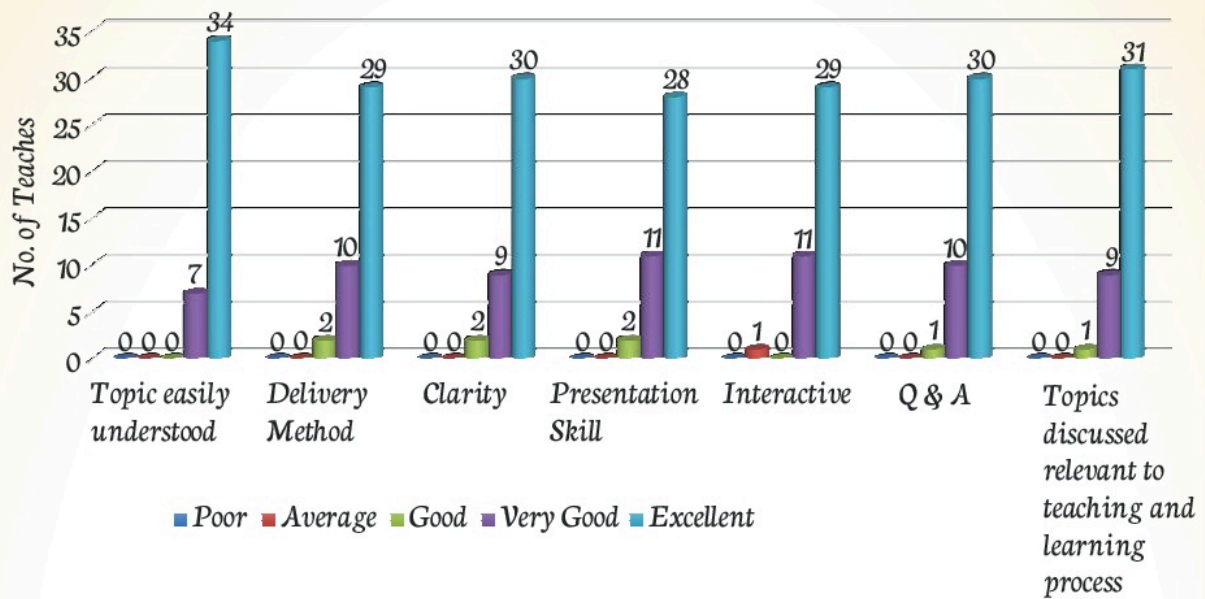
Speaker's Assessment - Coach Kamal Bin Kasim



Graph 5 : Speaker's Assessment - Coach Kamal Bin Kasim

When asked if the topic presented by Coach Kamal Bin Kasim was easily understood, 22 teachers, 12 teachers, 6 teachers and 1 teacher said it was excellent, very good, good and average respectively. For delivery method, 20 teachers, 14 teachers, 5 teachers and 2 teachers rated excellent, very good, good and average. 20 teachers, 13 teachers, 6 teachers and 2 teachers rated Coach Kamal's clarity as excellent, very good, good and average. Interaction in his session was said to be excellent, very good, good and average by 22, 10, 5 and 2 teachers respectively. 20 teachers, 13 teachers and 6 teachers said Coach Kamal's Q & A session was excellent, very good and good respectively. Meanwhile 1 teacher each have said that the Q & A session was average and poor. The relevancy of the topic discussed to the teaching and learning process in school was rated excellent, very good, good and average by 21 teachers, 13 teachers, 6 teachers and 1 teacher respectively.

Speaker's Assessment - Dr. Shanmuga Siva



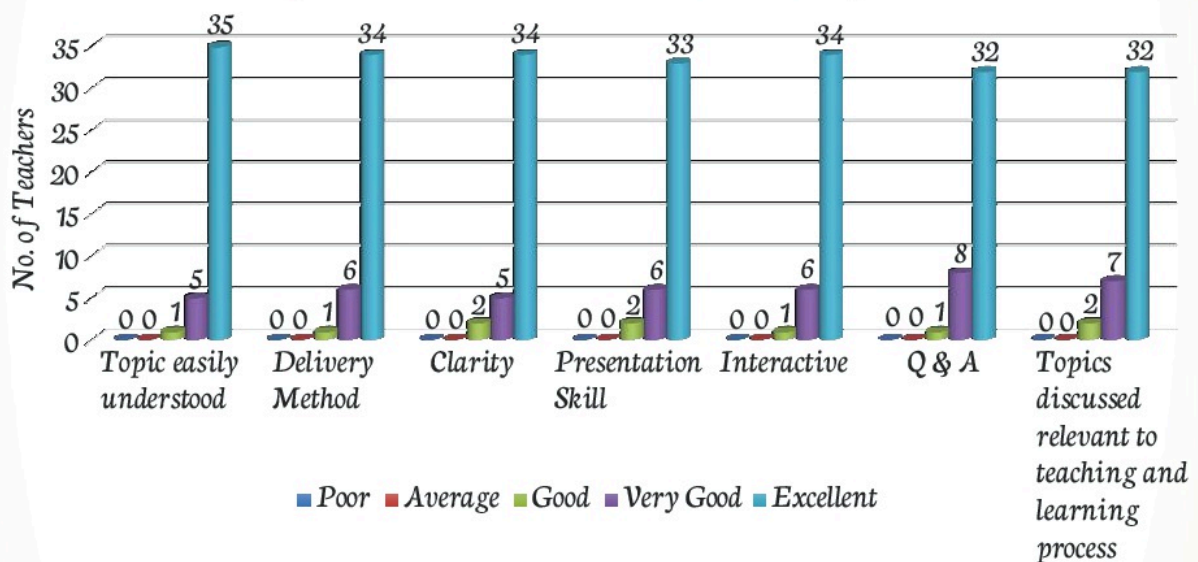
Graph 6 : Speaker's Assessment - Dr. Shanmuga Siva

The teachers' assessment on Dr. Shanmuga Siva is shown in Graph 6. When asked if the topic presented was easily understood, 34 teachers said excellent and 7 teachers said very good. For delivery method, 29 teachers, 10 teachers and 2 teachers said that it was excellent, very good and good respectively. On Dr. Shanmuga's presentation clarity, 30 teachers, 9 teachers and 2 teachers rated it as excellent, very good and good respectively. His presentation skill was said to be excellent, very good and good by 28 teachers, 11 teachers and 2 teachers respectively. 29 teachers, 11 teachers and 1 teacher rated Dr. Shanmuga's interactive in his session as excellent, very good and average respectively. For the Q & A session, 30 teachers, 10 teachers and 1 teacher said it was excellent, very good and good. When asked if the topic discussed was relevant to the teaching and learning process in school, 31 teachers, 9 teachers and 1 teacher rated it as excellent, very good and good respectively.





Speaker's Assessment - Mr. Rohn Rajan



Graph 7 : Speaker's Assessment - Mr. Rohn Rajan

The last presenter at the conference was Mr. Rohn Rajan and the assessment about him is shown in Graph 7. For the question if the topic delivered by him was easily understood, 35 teachers rated it as excellent, 5 teachers rated it as very good and 1 teacher good. 34 teachers, 6 teachers and 1 teacher said his delivery method was excellent, very good and good respectively. Meanwhile 34 teachers rated his clarity of presentation as excellent, 5 teachers as very good and 2 teachers as good. His presentation skill was said to be excellent by 33 teachers, very good by 6 teachers and good by 2 teachers. 34 teachers, 6 teachers and 1 teacher said interactive during Mr. Rohn Rajan's session was excellent, very good and good. For the Q & A session, 32 teachers rated it as excellent, 8 teachers rated it as very good and 1 teacher rated it as good. When the teachers were asked if the topics discussed were relevant to the teaching and learning process in schools, 32 teachers rated it as excellent, 7 teachers said rated it as very good and 2 teachers rated it as good.

Teachers' Feedback

Mrs. Vatsala, SJK (T) Nibong Tebal, Penang

"The conference was great. We, the teachers, only now feel like being appreciated. It inspires us to move forward".

Mrs. Mariayee, SJK (T) Ramakrishna, Penang

"The teacher's conference was really a great programme organised by ASTI. It boosted the energy level and able to motivate science teachers".

Mrs. Logeswary, SJK (T) Yahya Awal

- *This conference strengthens my knowledge on various skills especially in teaching and classroom practices.*
- *It brought us to create clear and fair practices that determine how teachers are to teach in the current challenging world (21st century education system)*
- *The speakers were really great. Their session was fun, so nice and really made us think to relate to our classroom and students situations.*
- *The information shared by the speakers are very helpful and can be applied in schools to improve our students' performance and for creating a better learning environment.*

Ms. Syiamala, SJK (T) Kampung Baru Batu Matang, Perak

- *A wonderful effort to bring all the teachers under 1 roof to collaborate & share ideas.*
- *Ms Daya's session was really helpful to bring up the last bench students.*
- *All the speakers gave great inputs on pedagogy, technology, managements, leadership and how to handle problematic students by integrating skills through sports.*
- *Thank you ASTI for the wonderful effort to bring up our future generation.*

Mrs. Rhubhamikai, SJK (T) Ladang Bee Yong, Pahang

"The conference generated a lot of ideas on how to engage with students and how to upgrade my teaching skills. Moreover, it boosts up my self-motivation and I am looking forward for this conference to be held in coming years. Thank you ASTI for organizing such a beneficial programme for science teachers".

Mrs. Gomathy, SJK (T) Kangkar Pulai, Johor

"Persidangan guru yang dianjurkan oleh ASTI telah memberi ilmu baharu dalam dunia pendidikan. Ia juga telah menjana perkongsian pintar di kalangan peserta persidangan dalam bidang pengetahuan, kemahiran, serta kepakaran bersama para pendidik dan dapat meningkatkan mutu profesionalisme kami dengan mengamalkan budaya berkekrampilan".

Mrs. Saraswathy, SJK (T) Taman Permata, Selangor

Advantages

- *Got a chance to learn new teaching skills*
- *Hospitality was excellent*
- *Speech given by speakers were very interesting and knowledgeable*
- *Through this event I have been influenced to be more dedicated towards the community*

Weakness

- *It will be nice if more teachers from different schools had participated in this conference*

Mrs. Thenmoly, SJK (T) Vivekananda, Kuala Lumpur

“The teachers conference which was held in Hotel Grand Season was a great effort from ASTI. This conference gave the teachers a chance to create a circle of friends and also a group to share their stories and work. It was a great platform for all the science teachers to be in one place to gain knowledge for a better future for our students”.

Mr. Thinakaran, SJK (T) Mentakab, Pahang

ASTI's Teachers Conference is a crucial role player in equipping the teachers with trending changes and developments in the education world. The transformation of the role of a teacher as a facilitator has made the task of being a teacher challenging and the conference is a starting point for the participants to equip themselves with the necessary skills to face the challenges. Each slot with its specific objectives definitely provided crucial inputs for the participants as a change maker in education and also in the society.



Conference Expenditure

	<i>Item</i>	<i>Amount (RM)</i>
Programme Management Fund		
1	Module Development (IP Generation and Internal Licenses)	5,000.00
2	Venue, Accommodation and Food for Teachers and Trainers (RM 240 X 70pax)	16,800.00
3	Honorarium for Trainers (RM 500 X 6 Trainers)	3,000.00
4	Event Petty Cash	2,000.00
Total		26,800.00
Organizational Development Fund		
1	Project Manager (Wages, EPF, SOCSO, Insurance) (RM 2,500 X 4 Months)	10,000.00
2	Operational Cost (RM 2,000 X 4 Months)	8,000.00
Total		18,000.00
		44,800.00

**Some trainers donated their Honorarium to ASTI*

Conclusion

The conference is successful and most of the feedback received shows the teachers benefited from the conference. They mentioned that they would participate in future programmes organized under “On the Wings of Fire Series”. The weakness of the conference is some teachers did not turn up or cancelled at the last minute. Measure will be taken to reduce this risk.

We feel that programmes such as this can empower teachers to be true leaders of the community and to bring back the dignity of the teaching profession as the most important profession among all professions. A sustained engagement with the teachers is needed for this programme to empower them to be positive change agents in their community.

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