

## KARNATAKA PHYSICS ASSOCIATION (R)

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# ANNUAL REPORT & Audited Statement of Accounts 2024-25

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**20<sup>th</sup> September 2025**

Regn No: DRB2/SOR/210/2021-2022

Regd. Office:

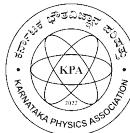
**Indian Academy PU College Campus**  
9th Main Road, 10th Cross, Hennur Cross  
Bengaluru-560 043

Email: [karnataka.physics@gmail.com](mailto:karnataka.physics@gmail.com)

Website: [karphysics.org](http://karphysics.org)



**National Conference on AI, Quantum Science & Technology and Materials Science**  
**Vijaya College, March 21 -22, 2025.**



## KARNATAKA PHYSICS ASSOCIATION (R.)

### Third Annual General Body Meeting

#### NOTICE

**Meeting Date: 20-09- 2025 (Saturday); Time: 2.30 PM**

**Venue:** PG Department of Physics, National College (autonomous), Jayanagar, Bengaluru -560 070

#### AGENDA

1. Welcome by the President
2. Reading and confirmation of the minutes of the previous AGBM held on 21.09. 2024
3. To read and confirm the annual report for the year 2024-2025 (from September 22, 2024 to August 31, 2025).
4. To consider and approve the action taken with respect to previous meetings
5. To consider and adopt the Audited statement, Income and Expenditure Balance sheet from 01.04.2024 to 31.03.2025 (presentation by the Treasurer)
6. Proposed activities for next year
7. Any other matter with the permission of the Chair

P Nagaraju  
General Secretary  
Karnataka Physics Association

**N.B:**

1. Hard copy of the annual report and the Audited statement of Accounts will be submitted to the members on the day of AGBM on 20th September 2025
2. Please confirm your participation to help us make arrangements.

## **Institutional Members**

- 01 Indian Academy Degree College, Hennur Main Road, Kalyan Nagar, Bengaluru 560 043
- 02 Garden City University, GCC House, #340, 5th Main, Indiranagar, Double Road, I Stage, Bengaluru 560 038

## **Honorary Members**

- 01 Prof. A S Kiran Kumar, Former Chairman ISRO
- 02 Prof. .P Venkataramaiah, Former V C, Kuvempu University
- 03 Prof. B G Mulimani, Former V C, Gulbarga University
- 04 Prof K Siddappa, Former VC, Bangalore University

## **Founder Members**

01 Dr Venkatesh G	13 Dr Shanthala V S
02 Dr Basavaraj A Kagali	14 Dr Shivaram Narayan Patil
03 Dr Nagaraju P	15 Dr Raghavendra M K
04 Prof Raghavendran K M	16 Prof Achutha B S
05 Dr Nagaraja H S	17 Prof Sai Venkataraman T
06 Dr Srikanta B S	18 Dr C Nagabhushan
07 Dr Basavaraju S P	19 Dr M S Jogad
08 Dr Arvind Gopal Kulkarni	20 Prof N Mahesh
09 Dr Somasekara S	21 Prof Sreenath RathnaKumar
10 Dr Nataraju S K	22 Dr S M Khened
11 Prof Nandan M R	23 Sri D Ramanjinappa
12 Dr Geetha R S	

## Life Members

01	Prof Jagadeesh V	53	Ashok Dinkar
02	Prof Krishna H Fattepur	54	Shrikant Biradar
03	Prof Supriya Nayak M K	55	Sri K. Nazeer Ahmed
04	Dr Shivalingappa Udachan	56	Liyakhat Alikhan
05	Prof Balakrishna H S	57	Sri J. Basavaraju
06	Sri Laksmi Pathy R K	58	Bhojaraja M.
07	Dr Parasuraman	59	Smt. Vijayasree Mallikarjun Kande
08	Prof Rama Bharathi	60	Dr. K.S. Kiran
09	Prof Harshitha G R	61	Dr. Vivek T.
10	Mr Krishna Murthy B S	62	Smt. Rajashri M. Shivangol
11	Prof Malathi K V	63	Barikar Prakash
12	Sri Naveen K R	64	R.P. Parvatikar
13	Dr Govind A S	65	Dr. Balakrishnan R.
14	Dr Suresh K S	66	Dr. H.D. Ananda
15	Dr Radha K C	67	Prof. Rudraswamy
16	Dr Aswini P	68	Dr. R. Hanumantha Nayak
17	Dr Naveen C S	69	Sri P.H. Devaraju
18	Prof Sudheendra H S	70	Sri Bhuvanesh S.E.
19	Dr Eshwarappa K M	71	Sri Subhas Chandra T.
20	Dr Soumya S Bulla	72	Sri K.R. Basavalingaiah
21	Dr Shashikala Yelagi	73	Dr. Darukesha B.H.
22	Dr Gowtham G K	74	Dr. Rajendra H.J.
23	Dr Kalasad M N	75	Dr. Savitha G. Ph.D.
24	Dr Yelamaggad	76	Dr. Jagadeesh M.R.
25	Sri Sivashankarasastry V	77	Dr. G. Ranjith Kumar
26	Sri Kumar V S	78	Dr. Sumantha H.S.
27	Dr Shivalingaswamy T	79	Sri Guru Prakash K.C.

28	Dr Thejavathi N R	80	Sri Harisha Kumar K.
29	Dr Ananda H T	81	Sri Hemachandra B.
30	Dr Raghu A	82	Sri Kumar
31	Dr Roopadevi P	83	Dr. Ramya Sethuram
32	Dr Karthik R	84	Sri Rajashekhar S.
33	Dr Abhiram J	85	Sri Kalmesh V. Hugar
34	Dr Jagadeesha B G	86	Navyashree C.L.
35	Dr Vasudevan K T	87	Suganthi S. Singh
36	Dr Santhosh T C M	88	Mrs. Sunita Dixit
37	Sri Suresh K	89	Dr. Somashekharappa H.M.
38	Sri Kiran S N	90	Dr. Venkatesh K.
39	Dr Kulkarni K C	91	Srihari D.
40	Dr Kokila M K	92	Dr Vijayakumar H D
41	Dr Ushadevi A R	93	Dr. Wooday P Krishna
42	Dr Nagaiah N	94	Dr Ashoka R MBBS
43	Dr Eraiah B	95	Dr S N Shobhadevi
44	Dr Meera B N	96	Mr Yash Hoskere
45	Dr Basavaraj Angadi	97	Prof P R Vishwanath
46	Dr Sarbari Bhattacharya	98	Dr Ashwitha Nancy D'Souza
47	Dr Ramakrishna Domle	99	Reshma K
48	Dr Udayashankar	100	Dr S R Thontadarya
49	Sri Srinivasamurthy C S	101	Jalajahshi B R
50	Dr Thejas R	102	Dr V M Jali
51	Mrs Ashwini M P	103	Dr Sharada Nagabhushana
52	Prof. Chethan M		

## Addition during 2024-2025

104	Dr. Ch Ramakrishna, Hyderabad	131	Dr. Vidya Y S
105	Satwik Prathap N V	132	Dr. Anuradha
106	Dr. K S Mallesh	133	Prof. Gireeshaiah V C
107	Dr. G Umesh	134	Sanjaya S
108	Dr. Bhargavi K S	135	Dr. Nagalakshmi A Rao
109	Dr. Praveen P	136	Prof. Rashmi P E
110	Prof. N Jabeen	137	Prof. Vinduvahini
111	Sri Hanumanthachari	138	Dr. Udaya Balegar
112	Vinay Chikkattu	139	Sri Ajith Kumar, Kerala
113	Marulasiddaiah	140	Bhargavi K S
114	Dr. Nagarajua D	141	Dr. S Subhadramma
115	Dr. Chaluvaraju B V	142	Prof. T Ramesh
116	Dr. Raghavendra U P	143	Ajaya S
117	Dr. Geethanjali H S	144	Dr. Omprakash
118	Dr. Sunitha A M	145	Talath Humera
119	Prof. Harshitha R	146	Dr. S B Sathyanarayana
120	Prof. Divyashree Gowda K L	147	Dr. Ramya Prabhu
121	Prof. Impana B R	148	Mr. S Purushottam, Kuppam
122	Prof. Swathi N D	149	Dr. Mahesh K K
123	Prof. Ramesh S T	150	Sri Prakash T
124	Sri J Anilkumar	151	Dr. Girish Manjunath Gouda
125	Miss Ashika S	152	Dr. chethan Chavan
126	Prof. shreedhar	153	Dr. N D NarasimhaPrasad
127	Prof Lakshmiipathi M N	154	Munirathnam R
128	Dr. Sudha	155	Dr. Paniveni Udayashankara
129	Dr. Nagabhushana N M	156	Dr. Abdul Kadar
130	Dr. R S Keshavamurthy		

## Student Members

01. Paneendra G N, 02. Amith Vikram,  
03. Jalajakshi B R, 04. Ajay S

### Bankers

State Bank of INDIA  
Name: Karnataka Physics Association  
A/c No. 40987597049  
ISFC: SBIN0014933

### Auditors

B.R. Prabhu & Co.,  
Chartered Accountants  
SHARADA No. 104, 4th Cross,  
2nd Main, Gavipuram Extn.,  
Bengaluru 560 019

## **Second Annual General Body Meeting 2025**

The 2nd Annual General Body meeting of Karnataka Physics Association (KPA) was convened at 2.30 PM on Saturday, 21 September 2024 in the National College (Autonomous), 36th B Cross, 7th Block, Jayanagar, Bengaluru 560 070.

### **PROCEEDINGS OF THE 2nd ANNUAL GENERAL BODY MEETING**

#### **Members present**

1. Prof. B A Kagali	President
2. Prof. B S Srikanta	Vice President
3. Dr. P Nagaraju	General Secretary
4. Prof. K M Raghavendran	Treasurer
5. Dr. K T Vasudevan	
6. Dr. Ashwitha Nancy D'souza	
7. Mrs. Ashwini M P	
8. Prof. Krishna H Fattepur	
9. Dr. S K Nataraju	
10. Dr. Jagadeesh M R	
11. Dr. K S Kiran	
12. Sri H D Ananda	
13. Dr. S P Basavaraju	
14. Prof. M R Nandan	
15. 15. Sri. Sreenath R	
16. Dr. A G Kulkarni	
17. Sri Liyakhat Alikhan	
18. Prof. H S Sudheendra	
19. Prof. Rudraswamy B	
20. Dr. R S Geetha	
21. Prof. V Jagadeesh	

The General Secretary called the meeting to order. Noting that the prescribed quorum for the meeting was satisfied, he welcomed all the members and the office bearers of the association to the meeting. Then he requested the president to conduct the meeting. The president formally welcomed all the members and briefed them about the activities and progress of the association during 2023-24. He appealed for greater participation of the members in all the activities of the association.

The following are the resolutions on the agenda items.

**1. Reading and confirmation of the minutes of the previous annual meeting of the General Body held on 10th September 2023.**

The general secretary read the minutes of the said meeting that were circulated earlier to all the members. The general body unanimously confirmed the same.

**2. Report on the action taken regarding the resolutions made in the previous general body meeting.**

- a) Demonstrations of interesting experiments for high school and PU students have been done by several members of the association throughout the year.
- b) Collaboration with CreActive association has been done in holding a few on line and offline talks – it was felt that greater cooperation would be useful.
- c) Enquiries have been made to open a flexi account in the same bank where the association has its current account.
- d) Resolution of the Special General Body meeting to approve an amendment to the byelaws was presented.

**3. Reading and confirming the annual report for the year 2023-24**

The General Secretary read out the annual report of the association for the year 2023-24. The general body confirmed the same.

#### **4. Reading and confirming the statement of account for the year 2023-24**

The treasurer read out, with detailed explanations, the audit report that included the balance sheet, income and expenditure statement as well as the receipt and payments statements as prepared by M/s B. R. Prabhu & Co, Chartered accountants for the association. The general body unanimously confirmed the same.

## 5. Appointment of auditors for the year 2024-25

The general body unanimously approved the appointment of M/s B R Prabhu & Co as the auditors for the year 2024-25.

**6. Election of the office bearers and members to the executive Council of the association for the next term of three years**

The General Body, after sufficient deliberations, elected the following persons for the next term of three years for the positions shown below.

**President** Dr. B A Kagali **Vice Presidents** Dr. B S Srikanta **Joint Secretaries** Dr. Kiran K S  
Bangalore Urban Division

Dr. P. Nagaraju      Dr. T. Shivalingaswamy      Dr. S.P. Basavaraju  
Mysore Division      Mysore Division      Mysore Division

**Treasurer**  
Dr. M.R. Jagadeesh .....  
Shivamogga Division Shivamogga Division

## **7. Proposed activities of KPA for the year 2024 -25**

The general body accepted the following activates that were proposed by various membersof KPA for the year 2024 – 25.

- a) Experimental demonstrations for high school and PU students.
- b) Quizzes, essay competitions, debates for high school and college students.
- c) On line talks for the benefit of KPA members and students.
- d) Workshops for PU and degree teachers on various topics of their interest.
- e) Physical (in person) lecture programs at colleges and universities.

## **8. Other matters with the permission of the chair**

- a) It was resolved to place a certain portion of the funds available in the current account in the form of a term deposit to earn higher interest.
- b) It was resolved to obtain the institutional membership of Prayoga Institute and National Colleges (Basavanagudi and Jayanagar colleges).
- c) It was resolved to prepare and issue photo identity cards to KPA members.
- d) It was resolved to prepare membership certificates to all KPA members.
- e) It was resolved to renew (activate) the website of the association. It was resolved to collect voluntary

contributions to meet the expenses for the same.

- f) It was resolved to gather the names of persons interested in participating in a workshop on Science and Mathematics to be organised by Lakshmi Educational Aid Foundation (LEAF) during November 29th and 30th 2024 in Yelahanka New Town.
- g) It was resolved to extend Academic support for N E S College, Gauribidanur as per the MoU between the College and KPA.
- h) The general body thanked the management of MES College for their assistance in the printing of the annual report of the association in the form of a nice book let.
- i) The general body expressed its thanks and gratitude to Prof..K M Raghavendran for serving as treasurer of the association from its inception.
- j) The general body expressed its thanks to Dr..M K Raghavendra for extending technical support to the association in conducting online talks.
- k) The general body expressed its thanks to the management of National Educational Society for providing the use of its premises for conducting KPA meetings.

The meeting ended with a vote of thanks to one and all by the General Secretary.

## **EC meetings held during 2024-25**

### **Sixth EC Meeting of KPA**

An EC meeting of Karnataka Physics Association (KPA) was held on Thursday, December, 05, 2024 at 2.30 PM in the PG Department of Physics, The National College, 36th B Cross, 7th Block, Jayanagar, Bengaluru 560 070. The agenda and proceedings of the meeting are given below.

### **AGENDA**

1. Welcome by president
2. Reading and confirmation of the minutes of the EC meeting held on 22.08.2024
3. Action taken report on the resolution of the previous meeting held on 22.08.2024
4. Future activities like workshops / conferences for Teachers / Students
5. Opening of an Account other than the existing KPA A/C
6. Any other matter with the permission of the Chair

### **Proceedings of the Sixth EC Meeting**

The General Secretary called the meeting to order, noticing the prescribed quorum for the meeting is satisfied. He welcomed all the members and requested the president to chair the session and to conduct the proceedings of the meeting.

1. The president formally welcomed the EC members and briefed them about the 2nd AGBM. He asked the General Secretary to read the minutes of the previous EC meeting held on 22nd August 2024.
2. General Secretary read the minutes of the previous EC meeting held on 22nd August 2024. The EC members unanimously approved the minutes of the previous EC meeting.

3 (a) Owning zoom platform is deferred and AI workshop in offline mode is also deferred. For the information of EC, again the office bearers of various divisions are read out.

(b) EC appreciated and thanked Mrs Muktha B. Kagali for helping KPA in bringing out well- designed and attractive News Letter.

(c) EC appreciated and thanked General Secretary for obtaining the renewal of the Association from the Registrar of Co-operative Societies, Malleswaram, Bengaluru.

(d) The long pending of the Association to keep FD of Rs 1,00,000/- (Rupees one lakh only) is done and the new Treasurer H S Sudheendra has taken over the charge from former Treasure K M Raghavendran. KYC in the Bank is also done on 28.01.2025.

4 (a) Under the item of future activities, Prof Somasekara took the lead in organizing the visit of KPA president and Secretary to Gavisiddeshwara PU College, Koppal. Prof B A Kagali gave a talk and demonstrated a few experiments to PU students. Dr.P Nagaraju took CET class on the topics: 'Laws of motion and Thermodynamics' to I PU students and Current Electricity and Moving Charges and Magnetism to II PU students on 28.12.2024.

The visit was fruitful for both KPA and PU College students. In fact, the Director of the College Sri Sharanappa appreciated the visit and thanked KPA for holding the activities.

(b) Prof Somasekara was responsible for arranging the Workshop on the Role of AI in Physics Teaching at Bellary. The workshop was held at Sri Chaithanya Degree College on 29.12.2024. The Chairman of the

Sri Chaithanya group of the Colleges made very good arrangements for the workshop. Professors Somasekara, B A Kagali, S P Basavaraju, Dr.Ramakrishna, Dr.M S Jogad and P Nagaraju from KPA participated in the workshop. Prof Veerabhadrappa, president of Physics Teachers Forum, Chitradurga also participated in it. About 60 PU Physics teachers participated. The General Secretary spoke about the aims and objectives of KPA.

### **Seventh EC Meeting of KPA**

The seventh EC meeting of Karnataka Physics Association (KPA) was held on Saturday, July, 12, 2025 at 11.00 am in the PG Department of Physics, The National College, 36th B Cross, 7th Block, Jayanagar, Bengaluru 560 070. The agenda and proceedings of the meeting are given below.

### **AGENDA**

1. Welcome by president
2. Reading and confirmation of the minutes of the EC meeting held on 05.12.2024 and Special EC Meetings w r t Conference held from 01.02.2025 to 10.05.2025
3. Action taken report on the resolution of the previous meeting held on 05.12.2024
4. Future activities like workshop / Demos/Special lectures
5. Any other matter with the permission of the Chair

### **Proceedings of the seventh EC Meeting**

The GS called the meeting to order, noticing the prescribed quorum for the meeting is satisfied. He welcomed all the members and requested the president to chair the session and to conduct the proceedings of the meeting.

1. The president formally welcomed EC members and briefed them about the website of KPA. He said that KPA members can visit the website and if any correction/ additions would be effected. He also briefed about the recent activities of the KPA members. He, then asked the GS to read the previous 6th EC meeting minutes held on December 5th, 2024.
2. GS read the minutes of previous meeting held on 5th December 2024 and also briefly mentioned the special EC meetings held on Jan 2, 2025, February, 22, 2025, March 08, 2025 and March 15, 2025 specifically for conducting the Two Day National conference on Quantum Science and Technology, Role of Artificial intelligence in Physics Teaching and Materials Science (NCQAPM – 25) during March 21 and 22, 2025 at Vijaya College, Bengaluru. Again the special EC meeting was held on May 05, 2025 to express gratitude to all those who worked for the conference. EC members unanimously approved the same.
3. Dr. Somasekara said that KPA in association with Chikkatti Group of Institutions, Gadag, conducted a workshop for teachers and students on Quantum Science and Technologies on 18th and 19th July, 2025. Dr. B. A. Kagali, Dr. M.S. Jogad, Dr. S Somasekara, Dr. S.M. Khened and Sri Purushottam participated in it and delivered lectures to both teachers and students. It was very well organised by Prof. Chikkati.
4. (a) It was resolved to organize a workshop for PU Teachers on AI, QS & QT at Seshadripuram College.  
(b) It was resolved to arrange a guest lecture on Nano Science/Liquid crystals Jain University.

Dr Kiran was requested to arrange it.

- (c) It was suggested to organise visits of interested members to some places like Hosur Science Centre, Prayoga, Agastya Foundation at Kuppam, IISc., Challakere campus.
- (d) It was resolved to pay 3 AC Train fare to KPA members if they are invited as resource persons outside Bengaluru.
- (e) It was resolved to co-opt additional members for the EC for conducting various programs as per Requirements of KPA.

### **Eighth EC Meeting of KPA**

The eighth meeting of the EC was held on 22-08- 2025 at 2.30 PM in the PG Department of Physics, National College (autonomous) Jayanagar, Bengaluru -560 070. The following are agenda and proceedings of the meeting.

### **AGENDA**

1. Welcome by the President
2. Reading and confirmation of the minutes of the previous EC meeting held on 31.07. 2025
3. To read and confirm the annual report for the year 2024-2025
4. To consider and approve the action taken about earlier meetings
5. To consider and adopt the Audited statement, Income and Expenditure balance sheet from 01.04.2024 to 31.03.2025 by the Treasurer
6. Future activities for next year
7. Fixing the date for the Annual General Body meeting
8. Any other matter with the permission of the Chair.

## **Proceedings of the eighth EC meeting**

1. The President welcomed all the members of the EC to the meeting and briefed them about the activities held so far.
2. The minutes of the previous meeting held on 31.07.2025 were read out by the General Secretary and the same were approved by the EC
3. A draft of the Annual Report for the year 2024-25 prepared by the General Secretary was approved by the EC. It was resolved to include the list of activities of all the KPA members in the report.
4. A workshop on Quantum science and Technology, Artificial Intelligence and other topics of interest to physics teachers is planned to be held on 30th August 2025 at Seshadripuram Composite PU College, Bengaluru.
5. A statement of accounts, expenditures as well as the balance sheet prepared by the General Secretary and the Treasurer was scrutinized and approved.
6. It was resolved to conduct workshops, seminars, talks about special topics in schools and colleges as per the interests of the educational institutions.
7. The next Annual General Body meeting of the association is fixed on 20th September 2025 in National College, Jayanagar, Bengaluru.
8. It was resolved to conduct a membership drive and enroll coopted members to improve the working of the association.

The meeting ended with a vote of thanks by the General Secretary.

## **Special EC meetings held for holding a workshop on QST and AI**

1st Preparatory meeting for conducting the workshop for PU Teacher at Seshadripuram Composite PU College was held at 11.00 AM on 26.07.2025 at the National College, Jayanagar, Bengaluru.

The following decisions were taken after detailed discussions:

- To identify the resource persons for the application of AI in Physics Teaching and 100 years Quantum science and Technology
- It was resolved that the Programme schedule is from 9.30 am to 5.00 pm
- It was resolved to invite Nadoja Dr. Wooday P Krishna, Hon. Secretary Seshadripuram Educational Trust to inaugurate the workshop.
- It was resolved to request Prof. G K Manjunath, Principal of the college to preside over the inaugural function.
- Brochure for the workshop is to be prepared and circulated to colleges.
- HOD of Physics, Seshadripuram Composite PU College would be the local co-ordinator. Dr. B S Srikanta is requested to be the joint coordinator of the workshop.
- President of KPA would be briefing about KPA and the objectives of the workshop.
- In addition to Seshadripuram college Physics teachers, teachers from other institutions should be invited to participate.

Second Preparatory meeting for conducting the workshop for PU Teacher at Seshadripuram Composite PU College was held on 31.07.2025 at the National College, Jayanagar,

Bengaluru at 11.00 AM.

The G S welcomed all the members and requested the President to conduct the proceeding of the meeting. G S read the minutes of the meeting held on 26.07.2025.

The President formally welcomed the members and said that the workshop should be conducted with all seriousness and about 60 participants are expected to attend.

Dr Srikanta B S read out a draft copy of the Workshop Brochure. G S said that Prof. Usha Devi of Bangalore University has accepted to give a talk on Quantum Science and Technology. Dr B S Srikanta said Dr. Abhiram J. has accepted to give a talk on application of AI in Physics teaching. Dr.B S Srikanta agreed to give a talk about innovative methods of physics teaching. Dr.P Nagaraju agreed to demonstrate interesting optical experiments in the workshop.

The worship is fixed to be held on August 30th, 2025 in the Seshadripuram Composite PU College, Seshadripuram, Bengaluru.

G S thanked the members for all their cooperation.

## **Activities of KPA members during 2024- 25**

### **Activities of Sri.H D Ananda**

01. 07 Nov 2024: Invited talk on Fundamentals of satellites and Rockets at B.E.T Convent, BEML Layout 3rd stage, RR Nagar, Bengaluru.
02. 11 Nov 2024: Invited talk on Quantum Computing at BMS College of Engineering, Basavanagudi, Bengaluru.
03. 12 Nov 2024: Chief Guest and Invited talk on Overview of Indian Space Program, Vijaya College, Basavanagudi, Bengaluru.

04. 27 Nov 2024: Invited talk on Quantum Computing as Resource person, RNSIT, Bengaluru
05. 03 Dec 2024: Invited talk on Overview of Indian Space Program, RNSIT, Bengaluru
06. 10 Dec 2024: Invited talk on Overview of Indian Space program and Career Guidance, RNS Pre-University College
07. 13 Dec 2024: Invited talk on Quantum Computing in student induction program for PG Dept of Mathematics, MES college of Arts, Commerce and Science, Malleswaram, Bengaluru.
08. 18 Dec 2024: Chief Guest and Invited talk on Overview of Indian Space program at Smt Parvathamma Shamanur Shivashankarappa Science PU college, Davanagere.
09. 18 Dec 2024: Invited talk on Physics a play at a satellite Control station-Master Control Facility of ISRO, Hassan, Bapuji Institute of Engineering and Technology, Davanagere
10. 19 Dec 2024: Invited talk on Quantum Computing, Bapuji Institute of Engineering and Technology, Davanagere
11. 21 Dec 2024: Chief Guest to the Annual day program, Mount Carmel English School, RR Nagar, Bengaluru.
12. 04 Jan 2024: Webinar on Creative, Gauribidanur, about Physics at play at Satellite control station-Master Control Facility, ISRO, Hassan.
13. 11 Jan 2024: Invited talk on Quantum Computing, Global Academy –Engineering College, RR Nagar, Bengaluru.

### **Selected Activities of Dr.B A Kagali**

1. 9/11/24, talk on ‘the life and legacy of C V Raman’, Govt. High school, Thanisandra, Bengaluru

2. 12/11/24, Interaction with students, BBMP PU College, Magadi Road, Bengaluru
3. 13/11/24, Demonstration of experiments in physics, Govt. High school, Shivajinagar, Bengaluru
4. 27/11/24, Physics experimental demonstration, BBMP High School, Kamakshipalya, Bengaluru
5. 29/11/24, Demonstration of experiments in physics, BBMP High School, Magadi Road, Bengaluru
6. 6/12/24, Delivered two talks on Variational Principles and White dwarfs) at a workshop for teachers and Research students, University of Mysore
7. 28/12/24, Demonstration of low-cost experiments, Gavi Siddeshwara PU College, Koppal
8. 29/12/24, talk on ‘Artificial Intelligence’ for Physics teachers, Sri Chaitanya College, Ballari.
9. 12/05/25, two talks at Siddaganga Public School, Bengaluru on Science and science teaching methods.
10. 13/05/25, Talk at Hosapete Science College on AI and Physics Education.

Innovative, simple and low cost experiments in physics and chemistry were demonstrated for high School/PU students by Dr.B A Kagali, Sri Liyakhat Ali Khan and Sri J Basavaraju at the following schools.

1. BBMP high school, Kodandaramapura, (25/11/2024)
2. VKO Govt high school, Shivaji Nagar (13/11/2024)
3. Ravinandan high school, Kamakshi palya
4. BBMP Girls P U College. Srirampura (28/11/2024)
5. BBMP high school. Magadi Road (9/12/2024)

6. BBMP high school, Venkatesh pura (30/12/2024)
7. BBMP high school, Byadarahalli (02/01/2025)

### **Activities of Dr. B.S. Srikanta (November 2024 - January 2025)**

#### **November 2024**

- **November 9:** Conducted a lecture-cum-demonstration class on Ohm's Law at Government High School, Thanisandra.
- **November 12:** Delivered a lecture at Government First Grade College, Gauribidanur on CV Raman - Life and his Works.
- **November 22:** Conducted a demonstration class on Electricity for 10th-standard students at Vivekananda High School, Sulibele, Hoskote Taluk.

#### **December 2024**

- **December 3:** Delivered a lecture at Aditya Institute of Management Studies on "Quota Sustainability - Paradigm Shift in Global Business Practices."
- **December 12:** Delivered a lecture at Oxford Engineering College, Bengaluru on the topic: "Education - A Key for Empowering Future."

#### **January 2025**

- **January 11:** Delivered a lecture at NSS Bhavan, Bangalore University, during a camp for program officers of BU colleges. The topic was: "Importance of NSS in Educational Institutions."

### **Professional Activities (August - October 2024)**

#### **August 2024**

- **August 1:** Dr. B.A. Kagali and Dr. B.N. Meera were

Chief Guests at a workshop for high school science teachers at the Agastya Foundation, Kuppam. They interacted with the participants on science education and teaching methodologies.

### **September 2024**

- **September 14:** Dr. B.A. Kagali and Dr. P. Nagaraju served as resource persons for an experimental workshop for students at Rajeshwari School, Bengaluru.
- **September 28:** Dr. B.A. Kagali delivered a talk on the end stages of stars at the BIFR, Bengaluru.

### **October 2024**

- **October 15:** Prof. Raghavendran delivered a lecture on Physics problem-solving at AES National College, Gauribidanur.
- **October 21:** Dr. B. Rudra Swamy participated as a resource person at BIET, Davangere in a workshop on Advanced Research Project Proposal Presentations.
- **October 25:** Dr. B.A. Kagali and Sri Liakhhat Ali Khan served as resource persons at a workshop for students at BBMP Higher Secondary School, Kodandaramapura, Bengaluru.
- **October 28:** Dr. B.A. Kagali served as a resource person on physics experiments at Siddaganga Public School, Chandra Layout, Bengaluru.
- **October 15:** Prof. Raghavendran delivered a lecture on Physics problem-solving at AES National College, Gauribidanur.
- **October 21:** Dr. B. Rudra Swamy participated as a resource person at a workshop on Advanced Research Project Proposal Presentations at BIET, Davangere.

## Invited Talks and Lectures by Sri. H D Ananda

### January 2025

- **January 20:** Dr. Ambedkar Institute of Technology, Bengaluru. Talk on "Physics in play at satellite control station - Master Control Facility, ISRO, Hassan."
- **January 22:** Siddaganga Institute of Technology, Tumkur. Talk on "Quantum Computing."
- **January 26:** Vagdevi's Sammilana 2025, Holelkere, Chitradurga. Inauguration of a Science Exhibition. Talk on "Overview of Indian Space Program."
- **January 31:** Indus International School, Bengaluru. Talk on "Quantum Computing" for high school and PUC students.

### February 2025

- **February 11:** Sri Rajeshwari Vidyashala High School, RR Nagar, Bengaluru. Talk on "Fundamentals of Satellites and Rockets."
- **February 28:** RPA First Grade College, Rajaji Nagar, Bengaluru. National Science Day Chief Guest. Spoke on "Overview of Indian Space Program."

### March 2025

- **March 3:** Government First Grade College, Kengeri, Bengaluru. National Science Day. Talk on "Overview of Indian Space Program."
- **March 4:** Freedom International School, HSR Layout, Bengaluru. Talk on "Quantum Computing" for high school students.
- **March 7:** SJP Government Polytechnic, Bengaluru. Talk on "Quantum Computing" as part of the celebration of the International Year of Quantum Science and Technology.

- **March 8:** Rao Bahadur Mahabaleshwarappa Engineering College, Ballari. Talk on "Quantum Computing in AI."

**A brief report on Two Day National Conference on Quantum Science and Technology, Role of Artificial Intelligence in Physics Teaching and Materials Science (NCQAPM – 25), March 21 - 22, 2025 (Friday – Saturday)**

Two-Day National Conference on Quantum Science and Technology, Role of Artificial Intelligence in Physics Teaching and Materials Science (NCQAPM – 25) was jointly organized by Karnataka Physics Association and Vijaya College in association with PRAYOGA Institute of Education Research during 21st and 22nd March 2025 at Vijaya College, Indoor Auditorium, Basavanagudi, Bengaluru.

Dr. M Subramanya Bhat, Principal, formally welcomed the Guests. The Chief Guest, Dr. KPJ Reddy, Former Professor, IISc, Bengaluru and Chairman, Machstar Group of Companies and all the dignitaries on the stage joined with him to light the lamp and inaugurated the conference on the first day.

Dr. P Nagaraju, General Secretary introduced the Chief Guest and the Guests of honour. Prof B A Kagali, President of KPA briefed about the motivation and objectives of the Conference.

The Chief Guest released the Book of Abstracts and Souvenir and then delivered the Inaugural address. He addressed the gathering with an inspiring, insightful and enlightened speech.

This was followed by a talk by Dr. H S Nagaraja, Chief Mentor, Prayoga Institute, Bengaluru. He advised the students to take up higher studies for those who are in PG and for those who have already taken up the Research work to explore more

in their chosen field.

Dr. Hari Krishna Maram, Chairman, Vision Digital India, Bengaluru said that India is not far behind research. In Space research, India is at the fore front and lot of opportunities are ahead, it is in the hands of the students to grab them.

Dr. A M Ramesh, Chief Executive officer, Karnataka Science and Technology Academy (KSTA) spoke about the objectives of KSTA. He said that, KSTA is organizing workshops from High School level to College in online as well as offline mode. KSTA has also conducted for I and II PU Students online classes w r t their syllabus and also a few CET classes by the experts.

Dr. U T Vijay, Executive Secretary, Karnataka State Council for Science and Technology (KSCST) expressed that KSCST is offering funds to take up projects by UG and PG students. He also mentioned that P G Department of Chemistry, Vijaya College is beneficiary of KSCST. The special grants are being given by KSCST to conduct events of National science day, Environmental day etc. He welcomed the Colleges to come forward to make use of the opportunity.

Dr. T A Balakrishna, Hon Secretary, BHS Higher Education Society presided over the function and in his presidential remarks, he expressed that BHS HES was always ready to encourage the Institutions under BHS HES to conduct the conference, seminars, workshops etc.to help students and teachers in their academic career and in turn help them help the society.

Prof. Nasaruth Jabeen, HOD of Physics, proposed the vote of thanks to the chief guest and all the guests, BHS HES Management committee, resource persons, sponsors, KPA

members, delegates, Vijaya College teaching and Non-teaching staff, students and student Volunteers for the success of the programme.

In the 1st technical session, chaired by Prof. N Udayshankar of RRI an invited talk was delivered by Prof. Apoorva D. Patel, Department of High Energy Physics, And Indian Institute of Science. He talked on Quantum Technology: Directions and prospects.

### **In the 2nd Session, 6 oral presentations were held.**

In Session 3 Sri. T S Shridhar, Joint Secretary, BHSSES, Chaired the invited talk. The invited talk was delivered by Sri Pavan Kumar A G, Software Architect, IBM ISDL Labs. He talked on Computer vision: intuition and applications. After his talk, the chair of the session T S Sridhar, elaborated more on the applications of computer architect.

Session 4 continued with the Oral presentations, Prof. M S Jogad, Vice President, KPA Kalaburagi Division chaired the session and 6 Oral presentations were held.

Session 5- Poster Presentations was held from PP-01 to PP-15. The poster presentations were judged by the Jury members Dr. S N Shobha Devi, Dr. Shanthala V S and Dr. Abhiram J. The poster presentations took place in the Physics Laboratory. The Evening talks were also held by Dr. Arvind G Kulkarni and Dr. Ashok R.

The Cultural programme was held by the students of Vijaya College from 6.15 PM to 07.00 PM. This was followed by sky observation with telescope. Mr. Altaf Pasha, gave an insightful information about the planets, directions, constellations etc., all the participants enjoyed the sky watching till 08.00 PM.

DAY 2, the academic Sessions started at 9.30 AM. In the Session – 6, Dr. P Nagaraju introduced the Invited speaker,

Prof. Chandan Kumar, Centre for Nanoscience and Engineering, IISc. Bengaluru.

Prof. Chandan Kumar delivered a talk on Probing Quantum Matter by Electronic Noise. This was followed by a number of questions by the participants. He clarified their queries.

Session - 7 was chaired by Prof Somasekara S, Joint Secretary, Kalaburagi division, KPA and 6 Oral Presentations were held. This was followed by the Poster Presentations in the Physics Lab from PP-16 to PP-29. The same jury members judged the poster presentations from PP- 16 to PP-29.

Session – 8 started at 1.45 PM. Dr. R S Keshava murthy, Scientist (Retd) IGCAR, Kalpakkam and Prof B. Eraiah, Chairman, Department of Physics, Bangalore University, Jnana Bharathi Campus. Chaired the session. During this session out of 9 participants, 7 presented. Thus totally 27 oral and 29 Poster presentations were presented.

The Oral Presentations were judged by the jury members, Prof B Rudraswamy. Prof S K Nataraju, Prof S P Basavaraju and Dr. Shivaram N Patil.

During the consolidation of the results, feedback session was conducted. Dr. Thejas R and Dr. Hariharan from Nagarjuna College and Sir. MVIT College respectively shared their opinion and experiences. Further, Pruthviraj N II M.Sc. Physics Student and Tanesha Kumaraswamy I PUC Student also share their happiness and experience of this Conference. A lot of useful suggestions were also given by the senior members of KPA to improve the activities of KPA and they opined that the KPA should make some efforts to improve the strength of students opting for Physics as their career. They expressed that, this is

possible by the government and the teachers teaching Physics at PU. KPA has to approach and put some effort in this regard.

Prof. B. Rudraswamy said that some presentations were very good and some have to improve their quality of the paper and the presentations. Dr. Abhiram expressed about Poster presentations. He said that, the arrangements for Poster presentations would have been improved and the it should have been in the standard format.

The Valedictory function was held as per the schedule at 04.00 PM. Prof B Eraiah, Chairman, Department of Physics, Bengaluru University, was the Chief Guest. Prize winners of Oral presentations were announced by one of the Judges Prof B Rudraswamy for different divisions as follows: Mr. Altaf Pasha was given the prize for the Quantum Science and Technology, Dr. Abhiram J was given for the Role of Artificial Intelligence in Physics Teaching and Dr. Prathibha Prabhu B for the Materials Science.

In the poster presentations category the details are as follows. The list of the prize winners were announced by the Judges. Dr. S N Shobha Devi, announced the student category, Dr. Shanthala V S announced the special prizes and Dr. Abhiram announced the winners among the faculty.

The prizes were awarded to the winners by chief guest Dr B Eraiah Principal, Dr M Subramanya Bhat, Dr. B A Kagali, Dr. B S Srikanta, Dr. A G Kulkarni, Dr. R S Keshavamurthy. Dr. R S Geetha and Dr. P Nagaraju.

<b>Ccategory</b>	<b>PP no</b>	<b>Name</b>	<b>Material Science Category</b>	<b>Prize</b>
Students	PP -26	Uday B	Material Science Category	I
	PP -20	Bhuvana R	Material Science Category	II
	PP -18	Spoorthy	Material Science Category	III
	PP -24	Ganesha Kumara Swamy	Materials Science Category	

(111th Std)  
Ojaswin Shastry  
(prize 9th Grade)

	PP -05	Mubarak Taj	Quantum technology & AI	I
	PP -03	Govindaraja B P	Quantum technology & AI	II
	PP -12	Prajwal Kalyan	Quantum technology & AI	III
	PP -04	Harshini T	Quantum technology & AI	
			Consolation	
	PP -07	Pooja Sharma	Quantum technology & AI	
			Consolation	
Faculty	PP -09	Shivalinga Swamy T	Quantum technology and AI	I
	PP -16	Mallikarjuna	Material Science & AI	II
	PP -08	Sharada Nagabhushan	Quantum Science	III
	PP-13	Thejas R	Quantum Material Science	III

## Prize Winners of the Poster Presentation

### Student Category

PP No.	Name	Category	Prize
PP-26	Uday B	Material Science	I
PP-20	Bhuvana R	Material Science	II
PP-18	Spoorthy	Material Science	III
PP-24	T Ganesha Kumara Swamy & Ojaswin Shastry	Material Science	Special Prize
PP-05	Mubarak Taj	Quantum Technology & AI	I
PP-03	Govindaraja B.P.	Quantum Technology & AI	II
PP-12	Prajwal Kalyan	Quantum Technology & AI	III
PP-04	Harshini T	Quantum Technology & AI	Consolation
PP-07	Pooja Sharma	Quantum Technology & AI	Consolation

### Faculty Category

PP No.	Name	Category	Prize
PP-09	Dr. Shivalinga Swamy T	Quantum Technology & AI	I
PP-16	Dr. Mallikarjuna	Material Science & AI	II
PP-08	Dr. Sharada Nagabhushan	Quantum Science	III
PP-13	Dr. Thejas R	Material Science	III

Dr. B Eraiah addressed the gathering about the declining of strength in Higher Education. He said that proper infrastructure / Lab equipment are not adequate and the required faculty are not available in the Universities. He said that, KPA has to take up the responsibility of organizing mega events like this and thereby the PG strength may improve. He also expressed that entire team of KPA deserves congratulations.

Dr. B S Srikanta Vice president, KPA addressed the gathering about the Education system in Karnataka and about the KPA activities. He mentioned that KPA is also a contributor for the introduction of SEP by the Government.

Dr. B A Kagali mentioned that Kannada may be used at the Higher Education system as per the new National Education Policy. He also thanked the Vijaya College Management, Principal and the students for the support extended in a big way to organize this Conference at this magnitude.

Dr M Subramanya Bhat, Principal in his presidential remarks he mentioned that KPA has done wonderful work in organizing this Conference in our College and therefore they deserve the appreciation and Congratulation. He said that, any kind of programme like this, Vijaya College would be always ready to host.

Dr R S Geetha, convener, proposed the vote of thanks. She thanked BHS HES Management, KPA members, sponsors, Vijaya College, Organizing committee, which includes Dr M Subramanya Bhat, Prof Zaiba Nishath Bano, Prof. C R Shreedhar, Prof. V Jyothy, Prof. Hemalatha N (CS Dept) and all the student volunteers who worked tirelessly to make the conference a memorable one.

### **A Brief Report on the workshop on AI and Quantum Science and technology held at Seshadripuram Composite**

## **PU College, Bengaluru on 30 August 2025**

The workshop was inaugurated by Nadoja Dr. Wooday P Krishna, Honourary Secretary, Seshadripuram Educational trust. He encouraged the participants to learn new developments in physics and become more effective teachers.

There were four technical sessions in the workshop. Prof. A R Usha Devi of Bangalore University spoke about the important aspects of Quantum Science and how they are being used to develop modern technologies like quantum computing and quantum communication. Dr. J Abhram of Sir M V I T spoke about the use of AI in education – in particular about lesson planning, course preparation, examination questions – with live examples using chat Gpt and other models. Dr. B S Srikanta, former Director of Sindhi College, spoke about innovative methods of teaching physics with several examples. Dr. P Nagaraju, the coordinator of PG Department of Physics, National College, Jayanagar demonstrated several optics experiments illustrating refraction, diffraction and total internal reflection concepts with lasers.

Prof. G K Manjunath, Principal of the college presided over the concluding session and distributed the participation certificates.

Over 60 teachers participated in the workshop with enthusiasm.

Dr. B S Srikanta and Dr. K R Meera, HOD Physics served as the Coordinators.

Dr. Wooday P Krishna recommended KPA to conduct similar workshops at their colleges in Tumakur and Mysore.

### **Quarterly KPA Newsletters Published**

- First Issue: November 1, 2023**

- **Second Issue: February 1, 2024**
- **Third Issue: May 1, 2024**
- **Fourth Issue: August 1, 2024**
- **Fifth Issue: November 1, 2024**
- **Sixth Issue: February 1, 2025**
- **Seventh Issue: May 1, 2025**
- **Eighth Issue: August 1, 2025**

### **KPA Online Lecture Series**

KPA has been holding special Lectures in Online mode on a variety of topics using Zoom Platform provided by Jnanadhara Centre for Excellence (Dr M K Raghavendra) almost every Sunday morning from October 2023. The following is a listing of the lectures.

Sl.No.	Date	Speaker	Affiliation	Title of the talk
01	15.10.2023	Prof. Udaya Shankar	Scientist, Raman Research Institute	What Hydrogen Atoms Tell us about the Evolution of the Universe?" (Part-I)
02	29.10.2023	Prof. Udaya Shankar	Scientist, Raman Research Institute	What Hydrogen Atoms Tell us about the Evolution of the Universe?" (Part-II)
03	05.11.2023	Dr Basavaraj Angadi	Professor of Physics Bangalore University	Recent Advances in Nano Science Nano Technology
04	26.11.2023	Prof Ushadevi A R	Physics Professor, Bangalore University	A Tale of Quantum Computation
05	03.12.2023	Prof Rudraswamy B	Former Professor of Physics Banglore University	Nuclear Reactions and Search for heavy elements
06	10.12.2023	Prof Vijayakumar K B	Physics professor, Mangalore University	Fundamental Particles and fundamental forces
07	24.12.2023	Prof B A Kagali	Banglore University- Jnana Bharathi	Variational Principles in Physics

Sl.No.	Date	Speaker	Affiliation	Title of the talk
08	07.01.2024	Dr Sreenath K R	Scientist ISRO	Space Travel- an Eye view (in Kannada)
09	14.01.2024	Prof Eraiah B	Professor of Physics, Bangalore University- Jnana Bharathi	Recent advances in Glass Science and Technology
10	19.01.2024	Asitang Mishra	Computer Scientist, NASA	Introduction to Foundation Models and Problem Solving using DATA Science
11	28.01.2024	Prof Sai Venkata Raman	Air Force High School, Bengaluru	Role of teachers in implementing Scientific temper in High School
12	04.02.2024	Dr. B Manikiam	Former Scientist, ISRO	Space Applications for Society
13	11.02.2024	Dr. Joseph Ivin Thomas	Doctoral scholar, Molecular Cell Biology Dept, University College London, UK	The standard model of Wave interference –a slight detour along a 200-year-old road

Sl.No.	Date	Speaker	Affiliation	Title of the talk
14	25.02.2024	Dr. P Nagaraju	Professor of Physics, National College, Jayanagar, Bengaluru	Expecting the Unknown- the physics of ATLAS experiment of CERN
15	27.02.2024	Shri V S SShastry	Mathematics Communicator	Various dimensions of C V Raman (in Kannada)
16	10.03.2024	Mr.Yash Hoskere	Software Engineer	Deep Learning- AI
17	17.03.2024	Dr. B N Meera	Professor of Physics, Bangalore University	Physics Education Research – What, why and how?
18	31.03.2024	Sri H D Ananda	Group Director, SPROC systems, Hassan	Quantum Computing
19	07.04.2024	Dr. M S Jogad	Former Professor of Science	The beauty of Glass
			Physics, S B College, Kalaburagi	and Technology – My experiences in Glass Research
20	14.04.2024	Dr.T Shivalingaswamy	Professor of Physics, Maharani's College, Mysore	Gravitational Waves (in Kannada)

Sl.No.	Date	Speaker	Affiliation	Title of the talk
21	21.04.2024	Dr. Ramakrishna Damle	Former Professor of Physics, Bangalore University	Climate Change – Problems and Challenges
22	28.04.2024	Sri H D Ananda	Group Director, SPROC systems, Hassan ISRO	Atomic Clocks – types, principles and applications
23	05.05.2024	Dr S Krishnaveni	Prof & Chairperson DoS in Physics University of Mysore	Elementary Particles
24	12.05.2024	Dr Vijaya Kumar H Doddamani	Professor of Physics, Bangalore University	Introduction to the Realm of normal and active Galaxies
25	19.05.2024	Dr A Raghv A	Professor of Physics Mandyia University	Basis of optical tweezers
26	26.05.2024	Dr R S Geetha	Coordinator NCIEP Associate Professor (Rtd) Vijaya College	A Journey through competitive experiments
27	02.06.2024	Dr G Umesh	Professor of Physics (Rtd) NIT, Surathkal	Fascinating world of Ultra short LASER Pulse

Sl.No.	Date	Speaker	Affiliation	Title of the talk
28	16.06.2024	Dr Nagaraja Kamsale	Professor, Department of Physics, Bangalore University	225 million km away Celestial body's Atmosphere
29	23.06.2024	Dr B C Prabhakar	Professor of Geology (Rtd)	Bangalore University The intricate world of Environment and Climate change
30	30.06.2024	Dr B A Kagali	Professor of Physics (Rtd) Bangalore University	Life and work of S Chandrasekhar
31	07.07.2024	Dr. Shashank Gurumath	Asst Professor Jain Deemed to be University	The world of exoplanets
32	21.07.2024	Dr.T Shivalingaswamy	Professor of Physics, Maharani's College, Mysore	James Webb Space Telescope (in Kannada)
33	28.07.2024	Dr. Chethan M	Asst Professor Jain Deemed to be University	Glasses: light sensitive to life-saving

Sl.No.	Date	Speaker	Affiliation	Title of the talk
34	04.08.2024	Dr. S Abdul Khader	Asst Professor of Physics, Maharanis College, Mysore	Composite materials
35	11.08.2024	Sri Suresh T S	Chief experience officer Agastya International	Activities of Agastya
36	18.08.2024	Dr P Venkataramaiah	Prof of Physics (Rtd) Former VC Kuvempu University	Opportunities and challenges of Higher Education kindle High School students
37	01.09.2024	Dr Deepak Dhar	INSA Distinguished Professor, ICTS, Bengaluru	The curious relationship between Mathematics and Physics
38	15.09.2024	Dr Sujatha	BIFR, Bengaluru	Optical telescopes
39	22.09.2024	Prof Parameswaran Ajith	Professor ICTS, Bengaluru	From Galileo to Gravitational Waves
40	06.10.2024	Prof Yelamaggad	Scientist, Centre for Nano and soft matter Science	How can crystals be liquids

Sl.No.	Date	Speaker	Affiliation	Title of the talk
41	13,10.2024	Dr K S Dwarakanath	Professor, RRI, Bengaluru	ATCA- Australia Telescope compact array Jupiter at radio wavelength
42	27.10.2024	Dr. J R Tonannavar	Professor of Physics (Rtd) Karnatak University, Dharwad	The incredible Raman
43	03.11.2024	Prof V A Raghunath	INSA Senior Scientist, RRI Bengaluru	Physics of soft matter
44	10.11.2024	Prof B Rudraswamy	Former Professor of Physics Bangalore University	Nuclear Reactions
45	17.11.2024	Sri H D Ananda	Former Group Director, SPROC System, MCF Hassan	Master, Control facilities and its activities,ISRO, Hassan
46	24.11.2024	Ms Akshatha K Vyedula	ResearchAssociate, School of Earth Science and Space Exploration, Arizona State University	Cosmic Dawn using 21 cm Signal

Sl.No.	Date	Speaker	Affiliation	Title of the talk
47	01.12.2024	Dr N Karunakara	Professor, Medical Physics Division, Mangalore University	Fascinating Applications of C-14 Determination
48	15.12.2024	Dr. Shivananda C S	Associate Professor Dept of Physics Sir MVIT, Bengaluru	Super Conductivity and its applications in Quantum Computing
49	22.12.2024	Dr. Shankar R	Former Professor Dept. of Marine Geology	Mangalore University The Story of the Oceans
50	05.01.2025	Dr. K Siddappa	Professor of Physics Former VC Bangalore University	Microtron for multidisciplinary Research & development
51	12.01.2025	Prof. H S Mani	Adjunct professor of Physics, Chennai Mathematical Institute	Fun Problems in Physics
52	02.02.2025	Prof S Krishna Prasad	Centre for Nano Science and Soft Matter (CeNS)	Colour from colourless nano structure

Sl.No.	Date	Speaker	Affiliation	Title of the talk
53	16.02.2025	Prof Bala Iyer	Professor, ICTS, Bengaluru	Gravitational Waves
54	23.02.2025	Dr. Suvrat Raju	Professor, ICTS – TIFR, Bengaluru	Quantum aspects of Gravity
55	02.03.2025	Prof R Loganayagam	Professor, ICTS – TIR, Bengaluru	Black Holes as open system
56	16.03.2025	25 Dr H S M Prakash	Director (Rtd) Geological Survey of INDIA	Climate change-new perspectives
57	13.04.2025	Dr. Panduranga Ashrit	Department of Physics & Astrophysics University of Moncton, Canada	Switchable smart thin films and Nanostructures for Advanced applications
58	20.04.2025	Dr. S M Khened	Former Principal LVD College, Raichur	Talk from USA – Visit to SLAC (Stanford Linear Accelerator)- Exploring and facilities
59	27.04.2025	Prof Rudraswamy B	Former Professor of Physics, Bangalore University	Particle accelerators

Sl.No.	Date	Speaker	Affiliation	Title of the talk
60	04.05.2025	Dr. Hariharan	HOD of Physics, Sir M Visvesvaraya Institute of Technology, B'lore	Application of Mathematics to analyse Brain signals
61	11.05.2025	Prof K S Mallesh	Former professor & Chairman of Physics University of Mysore	Deutesh Quantum computing
62	18.05.2025	Prof Dinesh K.Sivastava	Visiting Professor, National Academy of Science, NIAS	Science Beyond Borders; CERN
63	08.06.2025	Dr. K P Yogendra	Professor of Physics IISER, Mohali, Punjab	Compact stars and Black holes
64	15.06.2025	Dr. Joseph Samuel	RRI, ICTS Visiting Professor	Relativity and Navigation
65	22.06.2025	Dr. Vivekananda Jali	Professor of Physics Gulbarga University	Smartness of Smart materials
66	29.06.2025	Dr. N S Sankeshwar	Professor of Physics Dharwad University	Physics at Nanoscale

Sl.No.	Date	Speaker	Affiliation	Title of the talk
67	05.07.2025	Prof. Shridhar Iyer	Meta AI Engineer, USA	AI
68	13.07.2025	Dr. Paniveni Udayashankar	Former Professor BHS College	Educational facts about the Sun and Solar supergranulation
69	20.07.2025	Dr. Revanasiddappa	PES University, Electronics City Campus	Radiation Pollution and its impact on living creatures in and around Bengaluru
70	27.07.2025	Dr. R Nagendra	Professor of Geology, Anna University, Chennai	Seismic Profile analysis: Integrating Geophysics and Geology for subsurface exploration
71	03.08.2025	Dr. M H Rabinal	Professor and Chairman, Karnataka University	Electronics beyond Silicon
72	17..08.2025	Dr. Sudha	Professor of Physics Kuvempu University	Quantum Science and Technology-A birds Eye view on origin and development

Sl.No.	Date	Speaker	Affiliation	Title of the talk
73	24.08.2025	Dr.M S Sriram	Professor of Physics & KV Sarma Research Foundation, Chennai	Indian Astronomy- An Introduction
74	31.08.2025	Dr.Vijaykumar Krishnamurthy	Associate professor, ICTS, Bengaluru	Physics of Life



## B. R. PRABHU & Co.,

Chartered Accountants

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T : 080-22424207  
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### AUDIT REPORT

To  
The Members of  
Karnataka Physics Association, Bengaluru

We have examined the attached Financial statements of Karnataka Physics Association (referred to hereinafter as "The Association"), which comprise of the Balance sheet as at 31 March 2025, the Income and Expenditure Account for the year 2024-25 which are in agreement with the books of account maintained by the Association.

Preparation of these financial statements is the responsibility of the management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit as per auditing standards generally accepted to obtain reasonable assurance about whether financial statements are free of material misstatement.

We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of the audit. In our opinion, proper books of account have been kept by the Association.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements give a true and fair view in conformity with the accounting principles generally accepted in India.

- (i) In the case of the Balance sheet of state of affairs of the Association as at 31<sup>st</sup> March 2025 and
- (ii) In the case of the Income and Expenditure Account of the Excess of Income over expenditure for the year ending on that date.

For M/s. B. R. Prabhu & Co.,  
Chartered Accountants  
Firm Registration Number: 009769S

CA. B. R. Prabhu

Proprietor

M No 024890

UDIN 25024890BMSBPX7038

Place: Bangalore

Date: 10.09.2025



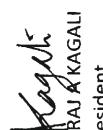


Indian Academy PU college Campus, 9th Main Road, Hennur Cross, Saranac Nagar, Bangalore 560043  
 Karnataka Physics Association

Income & Expenditure Account for the year 2024-25

	Expenditure	Amount Rs	By	Income	Amount Rs
To	Bank Charges	649		Conference Receipts	2,62,300
"	workshop expenses	1,000		Other receipts	11,013
	meeting expenses	846			
	Conference expenses	1,70,021			
	Excess of Income over Expenditure	1,00,797			
				Total Rs	2,73,313
					2,73,313

For Karnataka Physics Association

  
 BASAVARAJ KAGALI  
 President

  
 NAGARATNA P  
 General Secretary

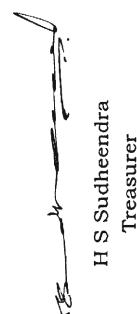
Place: Bangalore  
 Date: 10.09.2025

As per audit report of even date enclosed

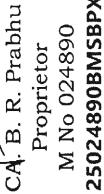
For M/s. B. R. Prabhu & Co.,

Chartered Accountants

Firm Registration Number: 009769S

  
 H S Sudheendra  
 Treasurer



  
 CA. B. R. Prabhu  
 Proprietor  
 M No 024890  
 UDIN 25024890BMSBPX7038

Karnataka Physics Association  
 Indian Academy PU college Campus, 9th Main Road, Hennur Cross, Saranac Nagar, Bangalore 560043  
 Receipt & payment Account for the year 2024-25

Receipt	Amount Rs	Amount Rs	Payment	Amount Rs
Opening Balance				
Cash	0		Bank Charges	649
Bank balance	116471		workshop expenses	1,000
Collection for conference			Imprest repayment	1,972
From participants & Sponsors			Meeting expenses	846
	262300		Conference expenses	1,70,021
Other receipts				
Life Membership Fees				
Amount received from Secretary				
	42,000		Fixed Deposit	1,00,000
			Closing Cash and bank balance	
			Cash on hand	
			Balance in SBI	1,61,114
Total Rs		4,35,602	Total Rs	4,35,602

For Karnataka Physics Association

  
 BASAVARAJ AKAGALI  
 President

For M/s. B. R. Prabhu & Co.,  
 Chartered Accountants

Firm Registration Number: 009769S



  
 C.A. B. R. Prabhu  
 Proprietor  
 M No 024890  
 UDIN 25024890BMSBPX7038

  
 H S Sudheendra  
 General Secretary

Place: Bangalore  
 Date: 10.09.2025



AI & Physics Education Workshop at Bellary, 29 Dec 2024



Releasing the book of abstracts, March 21 -22, 2025



QS & QT Workshop at Gadag, 18-19 July 2025



QS & QT, AI workshop at Sheshadripuram Composite PU College, 30 Aug 2025