

# I4AM'26 Programme Schedule

		Time IST	Presentation of Papers, Keynotes, Panel Discussions			
Day 1	08-01-2026	07:30-08:00	Breakfast Venue: JN TATA (Lower foyer)			
		07:30-08:30	Registration Venue: JN TATA Auditorium			
		08:30-09:00	Plenary Session			
			Inaugural - Chief Guest: Prof. Jayant Modak (Dean, Faculty of Engineering, IISc), Prof. B. Gurumoorthy (Chair, I-4AM'26 Advisory Committee), Prof. Amaresh Chakrabarti (Co-Chair, I-4AM'26), and Prof. Manish Arora (Vice-Chair, I-4AM'26) Venue: JN Tata Main Auditorium			
		09:00-10:30	KN 1: Prof. Sunil Jha, Indian Institute of Technology Delhi, India Chair - Prof. B. Gurumoorthy			
			KN 2: Mr A.N. Chandramouli, ANCM Management Consultants, India Chair - Prof. B. Gurumoorthy			
		10:30-11:15	Break + Group Photo + Registration			
		11:15-13:15	Parallel Session 1	Parallel Session 2	Parallel Session 3	Parallel Session 4
			JN Tata Main Hall	Hall A	Hall B	Hall C
			Digital Manufacturing DM-P111	Materials Processing & Joining MPJ-P112	Industry X.0 IX-P113	Sustainable Manufacturing SM-P114
			Chair: Dr. Koushik Viswanathan	Chair: Dr. Subhas C Mandal	Chair: Dr. Arlindo Silva	Chair: Dr. Monto Mani
			<u>15</u>	<u>73</u>	<u>7</u>	<u>4</u>
			<u>121</u>	<u>17</u>	<u>16</u>	<u>30</u>
			<u>37</u>	<u>88</u>	<u>24</u>	<u>31</u>
			<u>41</u>	<u>83</u>	<u>25</u>	<u>32</u>
			<u>53</u>	<u>146</u>	<u>63</u>	<u>36</u>
			<u>86</u>	<u>129</u>	<u>72</u>	<u>48</u>
			<u>98</u>	<u>196</u>	<u>133</u>	<u>94</u>
			<u>114</u>	<u>177</u>	<u>300</u>	<u>109</u>
		13:15-14:15	Lunch (JN Tata Lower Foyer area)			

		14:15 - 16:00	KN 3: Prof. Surya Kumar S, Indian Institute of Technology Hyderabad, India Chair - Prof. Vishal Singh			
			<b>Panel 1: Supporting Manufacturing Innovation</b> <b>Panelists:</b> Prof. B. Gurumoorthy (Chair), Prof. Eckhard Kirchner, Prof. Suryakumar S, Dr. T. Parasuraman, Dr. S. Devarajan, Mr A.N. Chandramouli, and Dr. Col K. Joshil Raj			
		16:00-16:30	Tea Break			
		16:30-18:30	Parallel Session 1	Parallel Session 2	Parallel Session 3	Workshop
			JN Tata Main Hall	Hall A	Hall B	Hall C
			DeScIn Academy & DRM Gurukooll WS-1	Materials Processing & Joining MPJ-P122	Industry X.0 IX-P123	Digital Manufacturing DM-P121
			Chairs: Dr Shakuntala Acharya & Dr Srinivasan Venkataraman	Chair: Dr Apurbba K Sharma	Chair: Dr Amar K Behera	Chair: Dr Senthilkumaran Kumaraguru
				<u>62</u>	<u>147</u>	<u>125</u>
				<u>43</u>	<u>160</u>	<u>142</u>
				<u>226</u>	<u>169</u>	<u>33</u>
				<u>123</u>	<u>180</u>	<u>154</u>
				<u>255</u>	<u>188</u>	<u>178</u>
				<u>232</u>	<u>200</u>	<u>190</u>
				<u>307</u>	<u>229</u>	<u>215</u>
				<u>289</u>	<u>233</u>	<u>231</u>
		1830-1845	Cultural Programme Venue: JN Tata Auditorium			
			Rhythmica Band			
		1845-1900	Odissi By Dr. Ushnaa Kuri			
		1915-2130	Conference Dinner @ Jawahar Lawn, Gymkhana, IISc, Bengaluru			

		Time IST	<b>Presentation of Research Papers, Keynotes, Panel Discussions</b>			
Day 2	09-01-2026	07:30-08:00	Breakfast Venue: JN TATA (Lower foyer)			
		08:00-08:30	Registration Venue: JN TATA Auditorium			
			Parallel Session 1	Parallel Session 2	Parallel Session 3	Parallel Session 4
			JN Tata Main Hall	Hall A	Hall B	Hall C

		08:30-10:30	Digital Manufacturing DM-P211	Control, Autonomous Systems, Robotics CASR-P212	Industry X.0 and Policy & Entrepreneurship IX + PE - P213	Training and Education TE-P214
			Chair: Dr Devika Kataria	Chair: Dr B.B.V.L. Deepak	Chair: Dr Pradipta Biswas	Chair: Dr. Abhay K Kuthe
			<u>185</u>	<u>54</u>	<u>11</u>	<u>52</u>
			<u>246</u>	<u>55</u>	<u>22</u>	<u>95</u>
			<u>272</u>	<u>105</u>	<u>137</u>	<u>102</u>
			<u>293</u>	<u>124</u>	<u>170</u>	<u>122</u>
			<u>297</u>	<u>156</u>	<u>181</u>	<u>243</u>
			<u>298</u>	<u>244</u>	<u>234</u>	<u>279</u>
			<u>304</u>	<u>256</u>	<u>285</u>	<u>325</u>
			<u>335</u>	<u>316</u>	<u>311</u>	<u>341</u>
		10:30-11:00	Tea Break (JN Tata Lower Foyer area)			
		11:00-13:00	Parallel Session 1	Parallel Session 2	Parallel Session 3	Springer Workshop
			JN Tata Main Hall	Hall A	Hall B	Hall C
			Policy & Entrepreneurship PE-P221	Supply Chains SC-P222	Sustainable Manufacturing SM-P223	Springer Author Workshop WS-2
			Chair: Dr N.D. Shivakumar	Chair: Dr. Debashis Majumder	Chair: Dr Vinodh Sekhar	Chair: Ms Swati Meherishi
			<u>9</u>	<u>5</u>	<u>128</u>	
			<u>38</u>	<u>61</u>	<u>194</u>	
			<u>39</u>	<u>66</u>	<u>204</u>	
			<u>46</u>	<u>79</u>	<u>217</u>	
			<u>51</u>	<u>80</u>	<u>239</u>	
			<u>99</u>	<u>81</u>	<u>282</u>	
			<u>103</u>	<u>115</u>	<u>290</u>	
			<u>113</u>	<u>245</u>	<u>301</u>	
		13:00-14:00	Lunch Break (JN Tata Lower Foyer area)			
		14:00-15:30	KN: 4 Prof. David Inkermann, Clausthal University of Technology, Germany KN: 5 Prof. Eckhard Kirchner, Technische Universität Darmstadt, Germany Chair - Prof. Dibakar Sen, IISc, India			
		15:30 - 16:00	Tea Break (JN Tata Lower Foyer area)			

		16:00 - 16:45	KN 6 Prof. Kannan Govindan, University of Adelaide, Australia Chair - Prof. Manish Arora, IISc, India
		17:00-18:00	Panel 2: Supporting Manufacturing Education Panelists: Prof. Satish Vasu Kailas (Chair), Prof. Arlindo Silva, Prof. David Inkermann, Prof. S. Vinodh, Prof. Kannan Govindan, Dr. Nagahanumaiah and Prof. Apurbba K Sharma
		1800 - 1900	Best Paper Award & Valedictory
		19:00-19:30	Vote of Thanks and High Tea (JN Tata Lower Foyer area)

	DM: Digital Manufacturing
	MPJ: Materials Processing & Joining
	IX: Industry X.0
	SM: Sustainable Manufacturing

	SC: Supply Chains
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	CASR: Control, Autonomous Systems, Robotics
	IX: Industry X.0 and PE: Policy & Entrepreneurship
	TE: Training and Education
	PE: Policy & Entrepreneurship

## General Information

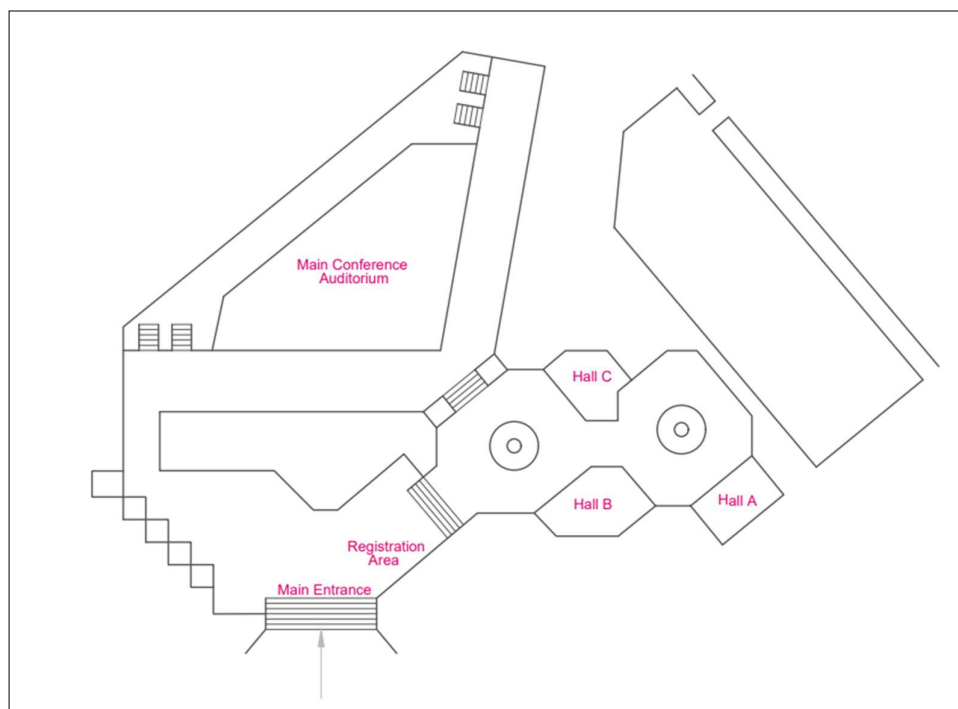
### Entry at IISc

Please keep your ID proof, a copy of your invitation letter, and/or an email confirming your accommodations handy for entry purposes in IISc.

There are two entry gates to the JN Tata auditorium—one gate at CV Raman Road and one gate at Maramma Circle. Participants arriving directly at the venue can enter through either of the two gates.

### About the Conference Venues

J. N. Tata Auditorium, National Science Seminar Complex, is a well-designed facility for organizing conferences. The Complex has the main auditorium for plenary/ parallel sessions and three halls (Hall A, Hall B, and Hall C) for parallel sessions. The majority of the I4AM'26 events- including registration, plenary sessions, and lunch- will take place at the National Science Seminar Complex, IISc. In addition, four of the parallel sessions- PS 1 to 4 - will also take place at the same complex.



### **Layout: National Science Seminar Complex (Conference venues)**

On day 1, the conference dinner will take place at Jawahar Lawn, Gymkhana, IISc.

**The location of each venue is given in the table below:**

JN Tata Auditorium,  
National Science Seminar Complex



Jawahar Lawn, Gymkhana, IISc



The main auditorium and seminar halls are fully air-conditioned, with excellent stage visibility. State-of-the-art projection and sound systems are in place. The complex is located in the southern part of the campus, set in a serene atmosphere, ideal for scientific sessions. Parking space is also available.

## **Information about Guest Houses**

Delegates and participants who planned to stay in the guest houses provided by the organisers can find the information on address, location, and contact number below. The list of guests has been given to the respective guest houses by the organiser.

**Main Guest House (MGH), IISc**

Address: Tala Marg, IISc, CV Raman Rd, Bengaluru, Karnataka 560012

Entry point: Main gate of IISc

Contact No: 080 2360 0757

**Centenary Visitors' House (CVH), IISc**

Address: Centenary Guest House Road, IISc, CV Raman Rd, Bengaluru, Karnataka 560012

Entry point: Main gate of IISc

Contact No: 08022933500

**Hoysala House, IISc**

Address: Amra Marg, IISc, Devasandra Layout, Bengaluru, Karnataka 560012

Entry point: Main gate of IISc

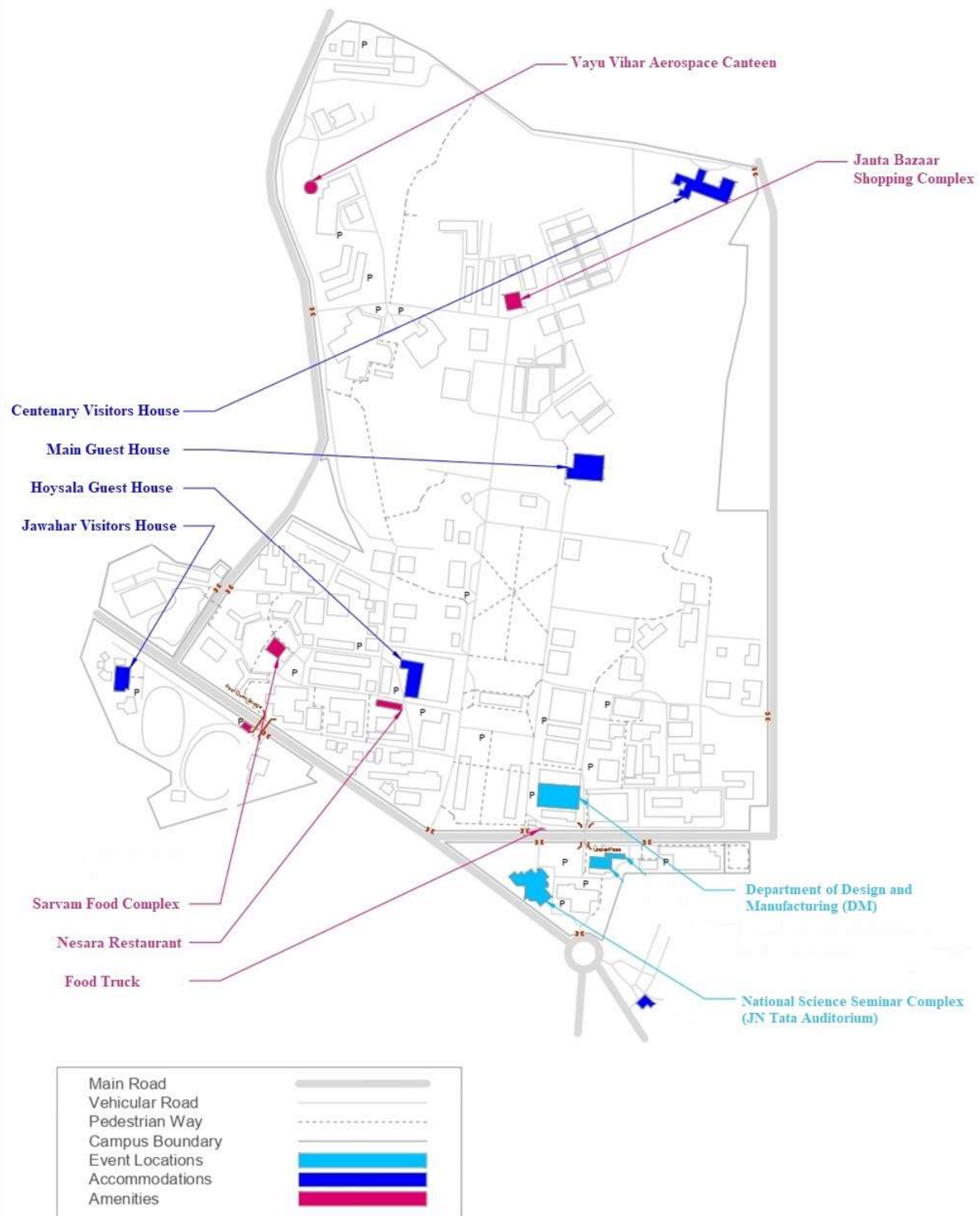
Contact No: 080 22932535



## Information about Restaurants inside IISc

**Sarvam Food Complex****Nesara Restaurant****Food Truck****Vayu Vihar Aerospace Canteen**

# IISc Map



## Information about the Registration Process

Breakfast for all the participants and volunteers is arranged at the JN Tata Lower Foyer area and will start from 7:30 AM. The registration process will remain open for all days during the conference. The process will start at 7:30 AM. Every day, the sessions will begin at 8:30 AM, so we request participants to arrive early to avoid congestion.

The participants who registered under the student category are required to carry a valid student ID card.

Upon completion of registration verification, each participant will receive the conference kit, including the I4AM'26 bag, Abstract booklet, Pen, and ID badge. Certificates will be given to the registered participants after lunch on the 2<sup>nd</sup> day of the conference.

## Information about Conference Dinner

On Day 1, 8<sup>th</sup> January 2026, the conference dinner is planned for the I4AM delegates and participants at Jawahar Lawn, Gymkhana, IISc. The buses will be arranged from the JN Tata auditorium to Jawahar Lawn by the organisers. In addition, at the end of the event, drop off at the guesthouse and nearby hotels will also be arranged from Jawahar Lawn.

## About Bangalore

Bangalore, the capital city of Karnataka, is called the Garden City for its fascinating blossoms and luxuriant greenery that render a unique beauty to this charming city. Bangalore, the fifth largest city in India, is also known as the Science City of India. The growth of the city has been phenomenal in recent years, largely due to unprecedented industrial progress with the establishment of many large, medium, and small-scale industries and technical and professional institutions of national importance.

Bangalore in January will be cool (15-20 deg C) and pleasant. Bangalore is well connected by road, rail, and air to most major cities of the country. One can fly directly to Bangalore from several international airports as well. Visas are required for travel to India.

## How to get there?

### From the Airport

IISc is about 35 km from the Bengaluru International Airport, named Kempegowda International Airport (BLR). You could hire either an Airport Taxi near the terminal exit or book an Uber/Ola cab. Cabs will typically charge around Rupees 700-1400 (depending on time, availability, and type of cab). A bus service operated by Bengaluru Metropolitan Transport Corporation (BMTC) runs from the airport to various areas in Bengaluru city. Service 'KIA-10' will drop you off at a bus stop near IISc. The institute is known as 'Tata Institute' to the locals, and the bus stop to get down at while coming to IISc from the airport is thus called 'Tata Institute Bus Stop'. The cost for the bus service is around Rupees 250. Additional information on the airport can be found at its official website, **Bengaluru Airport** (<https://www.bengaluruairport.com/>), and more information regarding BMTC and route timings for KIA-10 can be found on its official website: **BMTC** (<https://mybmtc.karnataka.gov.in/english>).

### From the Bangalore City Railway Station

Bangalore is connected to all major Indian cities by rail. The City Railway Station is the main terminal in Bangalore, which is about 7 km south of the IISc campus. You can exit the train station from platform



number 1 or 8 (Back Gate) and board a prepaid taxi/auto rickshaw/Uber/Ola (costs around Rupees 150-200). Alternatively, walk to Kempegowda bus station (popularly called “Majestic”) and take one of the many buses to IISc. Majestic bus station (7 km from IISc) is the central bus stand in Bengaluru and is just opposite the city railway station. Bus numbers from Bangalore City Bus Station are 273, 276, 99A, 99B, 272, 252.

#### **From the Cantonment Railway Station**

Cantonment Railway Station is another major railway station in Bangalore, popularly called Bangalore Cantt. It is also about 7km from IISc. The distance from this station to IISc is almost the same as the Bangalore City railway station, and it also has prepaid taxi and auto facility. Alternatively, walk to Vasantha Nagar Ambedkar Bhavan BMTC bus stop. Take the bus to “Tata Institute” – route numbers 94E, 252A, 270E, G-8, and K-1. IISc main gate is right next to the Tata Institute bus stop.

#### **From the Yesvantpur Junction Railway Station (YPR)**

The third major railway station in Bangalore, also the closest to IISc, is Yesvantpur. The station is less than 3 km from IISc. It has a prepaid stand. Booking an Uber/Ola is a more convenient option.

#### **From any other part of Bangalore**

You can hire a taxi or an auto from any part of the city. Auto fare between 10:00 p.m. and 06:00 a.m. will cost 50% more.

## **In and Around Bangalore**

**Vidhana Soudha:** A magnificent building housing the state legislature and secretariat. It was conceived and executed by Kengal Hanumanthaya, the then Chief Minister, in 1956. It is built entirely of Bangalore granite in the Neo-Dravidian style.

**Cubbon Park:** This beautiful park, sprawling across 300 acres, was laid out by Lieutenant General Sir Mark Cubbon in 1864.

**Lalbagh:** Lalbagh was started by Hyder Ali in 1760 and later completed by Tipu Sultan. This 240-acre landscaped park is home to some very rare species of plants. The Glass House inspired by the Crystal Palace in London, is the venue of an annual flower show.

**Bangalore Palace:** Inspired by the Windsor Castle, this palace was built in the Tudor style by a Wodeyar king in 1887.

**Bull Temple:** One of the oldest temples in the city, built by Kempe Gowda, the founder of Bangalore. The temple is dedicated to Nandi, the sacred bull.

## **Things to do**

**Golf:** Golf can be played in India in a variety of surroundings. The Golf Club in Bangalore, established in 1876, is a great golfing venue with the well-maintained greens. You can enjoy your favourite sport at - Karnataka Golf Association and - Eagleton Golf resort, the golf resort at the Bangalore-Mysore highway, one of the best options for a full day Golf Tour.

**Eating out:** Garden restaurants, drive-in eating joints, restaurants with attached pubs and bars, fast food joints and typical South Indian thali meals in the local style are available all over Bangalore.

**Pubs & Night Life:** Pub-crawling is a past time in vogue with the younger set. The beer here is among the best in the world, locally brewed, fresh and bubbly. The food here is snacky, tandoor kind.

**Ayurveda:** Ayurveda is a combination of two words; Ayur and Veda. Ayur means Life and Veda means knowledge, so it means Science of Life. It is five thousand years wisdom distilled into a system of practice. Ayurveda is much more than the well being of the body. Ayurveda defines health as “purity” of the body, mind and soul. The city has various Ayurvedic Centres where one can go and simply relax.

**Shopping:** Shopping is delightful experience in Bangalore. You will find some of the exquisite silks here. You can also take-home handicrafts in Sandalwood and rosewood, available in state-owned emporia & private stores. For gold & jewellery you can visit the quaint Jeweller's street.

## Excursions

**Mysore (139 Kms):** Lush green Mysore, picturesquely located 750 m above sea level. All roads in Mysore lead to the Maharajah's Palace. The palace built in Indo-Saracenic style is profusely decorated and gilded.

**Shravanabelagola (150 Kms):** Wedged between two stark rocky hills, this legendary pilgrim center and shrine of the Janis since early times. The monolithic statue of Lord Gomteshwara, a Jain saint and an object of worship for centuries, standing atop one of the hills, is 18 meters high and is said to be one of the tallest and most graceful monolithic statues in the world.

**Belur (222 Kms):** Belur is known as the Dakshina Varanasi or Southern Benaras. The serenity of Belur is attributed to the celebrated temple of Channakeshava, built by the Hoysala king Vishnuvardhana in 1117 A.D. to commemorate his conversion from Jainism to Vaishnavism.

**Halebidu (239 Kms):** This place was known as Dwara Samudra, the wealthy capital of the Hoysalas. Halebidu has several strikingly beautiful Hoysala temples and Jain shrines. The Hoysaleshwara temple, standing on platform like a casket, is a sculptural extravaganza, richly endowed with most finely detailed scroll in stone.

**Somnathpur (137 Kms):** The little village of Somnathpur where you can see the famous 13 Century temple well known for its great architectural beauty.

**Bannerghatta (21 Kms):** Numerous wild animals roam freely in this densely forested hilly area-an ideal picnic spot for wildlife lovers.

**Nrityagram Dance Village (30 Kms):** India's only village for classical dances.

**Nandi Hills (60 Kms):** This hill station is a paradise located 4,850 feet above sea level. There is a fairly extensive plateau with gardens, lawns, tourist bungalows and hotels with wind surfing facilities.

**Muthyala Paduvu-Pearl Valley (45Kms):** A beautiful picnic spot. A waterfall gushes down 90 meters in a cascade of pearly drops. The Shiva temple located nearby is worth a visit.

# I4AM'26: Feedback Form

