<u>శ్రీ గురుబ్యో నమః</u>

PANCHANGAM AND ITS IMPORTANCE

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Today's topic is Panchangam and its importance. Panchangam means five angas or parts.

తిధివారంచ నక్షత్రం యోగః కరణమేవచ| పంచాంగమితి విఖ్యాతం కాలోయం కర్మసాధకం||

Before discussing Panchangam, we have to know about Astrology and Solar system. Various theories have been set up to discover the influence of planets upon the terrestrial phenomena. Astrology is the most ancient of all sciences and had reached considerable perfection in India thousands of years ago. Astrology is the science which comprises the foretelling of the regular movements of the Planets, the fortunes and misfortunes of human beings, fates of Nation, Earthquakes, Volcanic eruptions, Cyclones and other incidents relating to terrestrial phenomena. In Sanskrit it is called HORA SASTRA means the science that treats time. It is also called Jyotisha or the knowledge of light from JYOTI or light which is the root cause for all known creation. According to the western interpretations, Astrology is derived from Aster – a star and Logos – reason or logic.

ಯಧ್ ಕಿಖ್ ಮಯುರಾಣಾಂ ನಾಗಾನಾಂ ಮಣಯ್ ಯಧಾ

Jyothishyam is the important angam of vedapurusha out of shadangams. Sarvedriyanam nayanam pradhanam like jyothisyam is netra sthanam of vedapurusha

Astrology is SKANDA TRAYATMAKAM means Siddhanta, Ganita, and Samhita or Phalita Bhagam. PANCHANGAM belongs to Siddhanta Bhagam. The various elements encompassing all matter are altered by the motions of the eternal power. The

acts of Creation (SRISHTI), Protection (STHITHI) and Destruction (LAYA) are embedded in the womb of the all-powerful TIME and these variations are brought about as consequences of subtle power. The Sun by his daily movements and the change of seasons bring to perfection the embryo in plants and animals and brings about various changes on the earth. The Moon being nearest to the Earth exercises much influence on it and as the waves and waxes rivers swell, the tides of the sea are ruled and the plants and animals affected.

The Sun as the central figure predominates over the entire arrangement of the celestial system and the other plants and stars are directed by his rays. The Zodiac is a broad band or belt in the heavens extending 9 degree on each side of the ecliptic. The ecliptic or the path of the Sun passes exactly through the center of the Zodiac longitudinally. It is an imaginary circle of 360 degrees and divided this Zodiac into 12 equal parts of 30 degrees each, each being named after a constellation. The quality of each sign is not equally spread, but every degree in a sign has its own peculiar qualities. The Zodiac known as BHACHAKRA in Sanskrit revolves on its axis once in a day from east to west.

The Planetary orbs, which the ancients recognized as having most powerful influences on our Earth are seven, leaving aside the shadowy planets RAHU and KETU.

As inhabitants of the Earth, we are concerned with the influences of these celestial bodies on our Planet. All the Planets perform the double function of not only revolving on their own axis once in a day (from west to east) but also round the Sun. According to Surya Siddhanta, Saturn is the most distant Planet from the Earth. Jupiter, Mars, the Sun, Venus, Mercury and Moon come next in the order of their distance from the terrestrial globe. Thus we see that the nearest Planet to our own orb is Moon. The velocity of each Planet diminishes as its distance from the Earth increases.

The Sun moves at the rate of roughly 1 degree of this circle of light (Zodiac) in one day composed of 24 hours and it takes 365 days and 6 hours to complete a circuit round the Zodiac. The Moon takes the average rate 4 ½ ghatis or 1 hour 48 minutes to

traverse through a degree of this space. Mars moves at the average rate of 45 days for 30 degrees or takes 1 ½ day per degree. Mercury moves at the average rate of 1 ½ degrees a day but on account his closeness to the Sun and due to the Solar influence he is very unsteady. Mercury completes his average run in 27 days. He gets into forward and backward motions from the Sun and attains what is called combustion. He hardly takes a day to move in each degree, but moves on more rapidly for some time, gets in front of the Sun and then begins to move slowly and goes backwards from the Sun. These two states of combustion moving forward and backward from the position of Sun are the in the astronomical works designated as Pragastambha, Paschandastambha, Praga indicates towards east of the Sun and Paschand indicates towards west of the Sun. In these double motions of backward and forward Mercury never gets away more than 28 degrees in either direction from the Sun. Jupiter moves at average rate of 1 year in the each sign of 30 degrees, sometimes it will be a little less than a year in 12 signs.

Venus moves at the rate of 1 degree per day. Saturn is the slowest moving Planet of the lot. He takes about 2 ½ years or 30 months to move in a sign of 30 degrees and thus he takes 1 month to move in a degree. Rahu and Ketu which revolve in the Apasavya order i.e. from east to west, takes 18 months to travel through each sign of the Zodiac. All the Planets except the Sun, the Moon and the shadowy Planets Rahu and Ketu undergo retrogression or vakra.

This is brief knowledge about Solar system.

Now coming to the present topic of Panchangam, Panchangam means five angas or parts: They are:

1. Thithi

2. Varam

3. Nakshatra

4. Yogam &

5. Karanam

Before that we have to know Hindu Time Measurement or KALA SWAROOPAM.

1. Yugam 2. Samvatsaram 3. Ayanam 4. Rutu 5. Masam 6. Paksham 7. Ahoratram 8. Yama 9. Muhurta 10. Vigati 11. Prana 12. Truti etc. Mainly Time / Kalam are 6 types: (1) Samvatsaram (year) (2) Ayanam (6 months) (3) Rutu (2 months) (4) Masam (1 month) (5) Paksham (1/2 month) and (6) Dinamu (1 day) This is Kalachakram. Samvatsaram: Among the Hindus 60 Lunar years constitutes one cycle. They are: 1. Prabhava 2. Vibhava 3. Sukla 4. Pramodoota 5. Prajotpatthi 6. Angirasa 7. Srimukha 8. Bhava 9. Yuva 10. Dhatu 11. Eswara 12. Bahudhanya 13. Pramadi 14. Vikrama 15. Vrusha 16. Chitrabhanu 17. Swabhanu 18. Tarana 19. Parthiva 20. Vyaya

- 21. Sarvajit 22. Sarvadhaari
- 23. Virodhi 24. Vikruti
- 25. Khara 26. Nandana
- 27. Vijaya 28. Jaya
- 29. Manmadha 30. Durmukhi
- 31. Hevalambi 32. Vilambi
- 33. Vikari 34. Sarvari
- 35. Plava 36. Subhakrutu
- 37. Sobhakrutu 38. Krodhi
- 39. Viswavasu 40. Paraabhava
- 41. Plavanga 42. Keelaka
- 43. Soumya 44. Sadhaarana
- 45. Virodhikrutu 46. Pareedhavi
- 47. Pramadicha 48. Ananda
- 49. Rakshasa 50. Nala
- 51. Pingala 52. Kalayukti
- 53. Siddharthi 54. Roudri
- 55. Durmati 56. Dundhubhi
- 57. Rudhirodgari 58. Raktaakshi
- 59. Krodhana 60. Akshaya

The first year of the cycle denotes the evolution of a new creative force which apparently is supposed to end in the last or 60th year after getting fully matured. When the New Year gives rise to a new force. In Vibhava (2nd year) this force is expanded. Shukla (3rd year) denotes its vitality, Pramodoota (4th year) causes development, Prajotpathi (5th year) increases activities. Angirasa (6th year) connotes the different forms the newly evolved force takes and similarly the names are given for all the 60 years indicative of the functions that the force is supposed to do till the year Akshaya or destruction (60th year) sets in which that the force generated in Prabhava (1st year) has been destroyed.

Ayanas: There are two Ayanas or periods in a year.

- (1) Uttarayana Commences from the winter solstice, when the Sun enters Capricorn or Makara Raasi and moves in a northerly direction and
- (2) Dakshinayana begins with the Summer solstice or the Sun enters Caner or Karkataka Raasi and moves in southerly direction.

Rutus or seasons: The principal seasons for the Hindus are six whereas the Europeans consider only 4 seasons. The six seasons / Rutus are

- (1) Vasanta Rutu Chaitra & Vaisakha Masams (Spring season)
- (2) Greeshma rutu Jyeshta & Ashada Masams (Summer)
- (3) Varsha Rutu Sravana & Bhadrapada Masams (Rainy season)
- (4) Sarad Rutu Aswayuja & Kartika Masams (Autumn)
- (5) Hemanta Rutu Margasira & Pushya Masams (Winter) &
- (6) Sisir Rutu Magha & Phalguna Masams (Winter)

Masam(Month): 12 Lunar months consists one year. They are:

- 1. Chaitra (March-April) 2. Vaisakha (April-May)
- 3. Jyeshta (May-June) 4. Ashadha (June-July)
- 5. Sravana (July-August) 6. Bhadrapada (August-September)

7. Aswayuja (Sep-Oct) 8. Kartika (October-November)

9. Margarisa (Nov-Dec) 10. Pushya (December-January)

11. Magha (January-February)& 12.Phalguna (February-March)

The name of each Lunar month is given as a result of the constellation falling on the full moon day of the particular month. Ex: Chitta star falls on Chaitra Poornima.

Similarly there are 12 Solar months in a year for those who follows Solar year. Solar month means Sun transits from one sign to other sign after 30 days which also called as sankramanam. Sun transits from Meena (Pisces) to Mesha (Aries) are called Mesha sankramanam. Similarly enters in Taurus is called Vrushabha sankramanam and so on.

1. Mesha – Aries (Chittirai) 2. Vrushabha – Taurus (Vaigasi)

3. Mithuna – Gemini (Ani) 4. Kataka – Cancer (Adi)

5. Simha – Leo (Avani) 6. Kanya – Virgo (Purattasi)

7. Thula – Libra (Alpisi) 8. Vrishchika – Scorpio (Kartigai)

9. Dhanus – Sagittarius (Margali) 10. Makara – Capricorn (Thai)

11. Kumbha – Aquarius (Masi) 12. Meena – Pisces (Panguni)

<u>Paksham:</u> There are two pakshas in each month; Sukla paksham and Krishna paksham. Sukla paksham consists of the bright half of the lunar month when the moon waxes. The fifteen days from the next day of the New Moon to including full Moon constitute the Sukla paksham.

Krishna paksham: The dark haf of the lunar month or the other 15 days from the next days of the full moon to the new moon day make up the Krishna paksham.

Thithi: Total Thithis are 30; 15 Thithis in Sukla Paksha and 15 in Krishna Paksha.

In Sukla Paksham it is

1. Sukla Padyami

2. Sukla Vidiya

3. Sukla Tritiya

4. Sukla Chaturdhi

5. Sukla Panchami

6. Sukla Shashti

7. Sukla Saptami

8. Sukla Ashtami

9. Sukla Navami

10. Sukla Dasami

11. Sukla Ekadasi

12. Sukla Dwadasi

13. Sukla Trayodasi

14. Sukla Chaturdasi &

15. Poornima

in Krishna Paksham it is Krishna Padyami to Krishna Chaturdasi & Amavaasya. Thithi means the difference of 12 degrees from Sun to Moon is Sukla Padyami, 24 degrees is Sukla Vidiya and 180 degrees is Poornima. Similarly the difference of 192 degrees is Krishna Padyami, 204 degrees is Krishna Vidiya and 360 degrees is Amavaasya.

<u>Varamu:</u> According to Surya Siddhanta as per Planet orbs the week days are formed.

(1) In Planet orbs 4th orb is Sun Kaksha, so first day is Sunday.

(2) From Sun to 4th orb is Chandra (Moon) Kaksha is Monday

(3) next 4th orb is Mangala (Kuja) – Tuesday

(4) next 4th orb is Mercury – Wednesday

(5) next 4th orb is Jupitor – Thursday

(6) next 4th orb is Venus – Friday and

(7) next 4th orb is Saturn – Saturday.

Nakshatra: In Bhachakram total 27 Nakshatras (stars) are there. They are:

1. Aswini

2. Bharani

3. Krithika

4. Rohini

5. Mrigasira

6. Ardra

7. Punarvasu

8. Pushyami

9. Aslesha

10. Makha

11. Poorva Phalguni

12. Uttara Phalguni

13. Hasta

14. Chitta

15. Swati

16. Visakha

17. Anooradha

18. Jyeshta

19. Moola

20. Poorva ashadha

21. Uttara ashadha

22. Sravanam

23. Dhanishta

24. Satabhisham

25. Poorvabhadra

26. Uttarabhadra

27. Revati

Each Nakshatra is 13°-20' and consists of 4 Padas. The Zodiac is circle of light and it knows no beginning or end. In order to measure the distance an astronomical point (end of the constellation Revati) is established which also happens to be first point of Aswini. Each Naksatra measures 13°-20' of arc and consists of 4 Padas of 3°-20' each.

<u>Yogam:</u> Yogam forms by adding of Ravi sputa, Chandra sputa and Rasi bhaga lipta. There are a total of 27 Yogas, They are:

(1) 0-0-00 to 0-13-20 is Vishkambha yoga

(2) 0-13-20 to 0-26-40 is Preeti yoga

(3) 0-26-40 to 1-10-00 is Ayushman yoga

(4) 1-10-00 to 1-23-20 is Soubhagya Yoga

(5) 1-23-20 to 2-6-40 is Sobhana Yoga

- (6) 2-06-40 to 2-20-00 is Atiganda Yoga
- (7) 2-20-00 3-03-20 is Sukarma Yoga
- (8) 3-03-20 to 3-16-40 is Dhruti Yoga
- (9) 3-16-40 to 4-00-00 is Sula Yoga
- (10) 4-00-00 to 4-13-20 is Ganda Yoga
- (11) 4-13-20 to 4-26-40 is Vrudhi Yoga
- (12) 4-26-40 to 5-10-00 Druva Yoga
- (13) 5-10-00 to 5-23-20 is Vyagrata Yoga
- (14) 5-23-20 to 6-06-40 is Harshana Yoga
- (15) 6-06-40 to 6-20-00 is Vajra Yoga
- (16) 6-20-00 7-03-20 is Siddi Yoga
- (17) 7-03-20 to 7-16-40 is Vyatipata Yoga
- (18) 7-16-40 to 8-00-00 is Variyan Yoga
- (19) 8-00-00 to 8-13-20 is Parigha Yoga
- (20) 8-13-20 to 8-26-40 is Siva Yoga
- (21) 8-26-40 to 9-10-00 is Sidda Yoga
- (22) 9-10-00 to 9-23-20 is Sadhya Yota
- (23) 9-23-20 to 10-06-40 is Subha Yoga
- (24) 10-06-40 to 10-20-00 is Sukla Yoga
- (25) 10-20-00 to 11-03-20 is Brahma Yoga
- (26) 11-03-20 to 11-16-40 is Indra Yoga and
- (27) 11-16-40 to 12-00-00 is Vydruti Yoga.
- 10) Karanam: Karanam is half of the Thithi. There are total 11 Karanams.
- 1. Bava

2. Baalava

3. Kaulava

4. Titula

5. Garija

6. Vanija

7. Bhadra (Vishti)

8. Sakuni

9. Chatushpada

10 Naga &

11 Kimstughna

This is the introduction of Panchanga swaroopam or Kala chakram. In our Sanathana Dharma every karyakrama or programme we usually do Sankalpam first. Sankalpam (introduction) means we have to know the Kala swaroopam on that day.

Sankalpam for residents of Hyderabad: Kaliyuge, pradhama pade, jambu dweepe Bharata varshe, Bharata Khande, Srisailasya vayuvya pradese, Krishna Godavaryo Madhya pradese, swagruhe / vasati gruhe, asmin vartamaana vyaavaharika Subhakrutu nama samvatsare, Uttara / Dakshina aayane, vasanta / greeshma / varsha / sarad / hemanta / sisir rutu, maase, pakshe, thithi, vasare,nakshate, Karane,yoge,gothram,name. So we have to introduce with the details of Panchangam.

How to prepare the Panchangam and how to calculate all these items are explained and available in Siddhanta and Ganita bhagam. Different type of Ganita (calculations) are: Surya Siddantam, Driksiddantam, Saayana and Nirayana paddati.

According to Rishi Kashyapa and ancient scriptures a total of 18 KHAGOLA SASTRA PRAVARTAKAS are there. They are:

సూర్య: పితామహో వ్యానో వసిష్ఠోత్రి: పరాశరః

కశ్వపో నారదో గర్గో మరీచిర్మను రంగిరాః

రోమశ: పౌలిశశ్పైవ చ్యవనో యవనోభ్ళగు:

శౌనకోష్టా దశాశ్పై తే జ్యోతిశ్శాస్త్ర ప్రవర్తకా:

1. Surya

2. Pitamaha

3. Vyasa

4. Vashishta

5. Atri

6. Parasara

7. Kashyapa

8. Narada

9. Garga

10. Mareechi

11. Manu

12. Angirasa

13. Lomasha 14. Poulisa

15. Chyavana 16. Yavana

17. Bhrigu 18. Saunaka

In present days i.e. Kaliyuga; Bhaskaracharya, Varaha Mihira, Brahma Gupta, Arya Bhatta are famous research scholars in Siddhanta Bhagam.

Muhurtham: Muhurtham means auspicious kalam/time. Duration of Muhurtham is 2 ghadiyas or 48 minutes and out of these 48 minutes, very auspicious time is only 2 minutes i.e. Muhurtha time. In astrology Muhurtha comprehends the selection of auspicious time for every new event. Muhurtha as a matter of fact, helps us to determine when exactly the influences contained in Time (Kalam) are well disposed. If we start an event in a favourable time, the ethereal currents liberated from the Planets at that particular moment, will work in the minds of others and make them help the person to attain success:

Ex: In marriages, if in the girl's horoscope widowhood is threatened, it can be averted by selecting a very auspicious moment for celebrating the marriage. We call such an auspicious moment, when all the beneficial ethereal currents are called into operation 'Subha Lagnam' and the inauspicious moment 'Asubha Lagnam'. While calculating Muhurtham we will consider particular event related Stars, Thithi, Varam, Lagnam, Karaka Planet position in transit supposing a person has fixed a particular time on a particular day in a particular month for commencing some important work, 'whether or not the five sources of energy operate favourably at that time can be ascertained. In all the cases Lunar dates must be considered and the constellations can be found out by the Moon's position. The method of counting the Lunar days is already discussed. Then take the number of Lunar days from the first of each Lunar month, the number of week days from Sunday, the number of Constellations from Ashwini and number of Zodiacal sign from Aries. Add all and divide the total by 9

if the reminder is 1 – indicates 'Mrityu' (danger or death)

If the reminder is 2 – indicates 'Agni' (danger from Fire)

If the reminder is 4 – indicates 'Raja panchaka (very bad)

If the reminder is 6 – indicates 'Chora panchaka (bad)

If the reminder is 8 – indicates 'Roga panchaka (disease bringing)

So if the reminder is 1, 2, 4, 6, 8, the Muhurtha is not good.

If reminder is 3, 5, 7 or 0 (no reminder at all) then it is good. Thus Muhurtha is called Panchaka Rahita is very good Muhurtham. In addition to that for any occasion, the Eighth bhava from Muhurtha Lagna must be free and without any Planet.

Ex: <u>For Marriage Muhurtha:</u> The 7th & 8th house from the marriage ascendant must be free and without any Planet. This is called Saptama and Ashtama Suddhi. Venus must not be in the 6th house, Jupiter, Venus or Mercury should be in 1, 4, 10 excepting the 7th and 2nd house from Muhurtha Lagnam.

New Moon day, Full Moon day, the 8th & 6th Lunar days must be avoided. The Lunar months of Magha, Phalguna, Vaisakha and Jyeshta are good. Constellations Uttara Phalguni, Uttarashada, Uttarabhadra, Revathi, Swati, Makha, Hasta, Rohini, Anuradha, Mrigasira and Moola are favourable.

Like this every separate occasion, separate Thithis, Months, Nakshatras are there. Accordingly we have to select Muhurtham for a particular event. While selecting the Muhurtham, we must avoid 21 maha doshams also.

ప్రవేశే ద్వాదశే శుద్ధి పట్టమేకాదశ స్త్రథా| ప్రాశసం దశమం శుద్ధి నవ సీమంత చౌలయో:| ఉపవీతం చాష్టమంచ వివాహం చైవ సప్తమే| షష్టీతు నవ వస్త్రాణి ప్రయాణంచైవ పంచమే| చతుర్దే శత్రుసంయోగం తృతీయే రాజదర్శనం| ద్వితీయే ధననికేపం లగ్నం స్త్రీ సంగమంతధా||

This is brief introduction regarding Muhurthams.

Gochara Phalalu: In predicting Gochara results (Dina, Vara, Masa, Samvatsara)., the Moon and the birth constellations play a paramount part. Mark the

position of the Moon at the time of birth. The sign in which the birth Moon is placed is called the Janma Raasi.

We shall first enumerate the likely results that are supposed to accrue on account of transits of the different Planets in the different signs from the Moon and then describe the special rules governing Gochara. Gochara results should be judged by reference to 'vedha sthanas' (obstructing points). Astrological predictions can be accurate when the influences of birth chart are blended with those of Gochara with vedha or obstructing forces. As it is vast subject, this is only brief introduction about Gochara.

Hora: Duration of one hour time is called Hora, there is 24 Horas in a day commencing from Sun rise. These are Sun (Ravi hora), Venus (Sukra hora), Mercury (Budha hora), Moon (Chandra hora), Saturn (Sani hora), Jupiter (Guru hora) and Mars (Kuja hora). On every day the first Hora starts with the Day lord i.e. Sunday the first Hora starts with Sun Hora, Monday starts with Moon Hora, Tuesday starts with Mars Hora, Wednesday starts with Mercury Hora, Thursday starts with Jupiter Hora, Friday starts with Venus Hora and Saturday starts with Saturn Hora. On any given day the horas continue on completion of every cycle.

భానుహోరా మృతిం కుర్యాత్ చంద్రహోరా స్థిరాసనం కారాబంధం భౌమహోరా బుధహోరాచ పుత్రదా వస్త్రాలంకారదా జీవహోరా శౌక్తీ వివాహదా జడత్వం శనిహోరాయాం సబ్గహోఫలం త్విదం

The works started in a subh hora gives good results. The subh horas are Chandra, Guru, Sukra & Budha.

Reference books to study the Siddhanta Bhagam are:

(1) Arya Siddhantam or Arya Bhatteyam

- (2) Siddhanta Siromani
- (3) Graha laghavam
- (4) Ganikanandam
- (5) Nara Kanteeravam
- (6) Thithi Ratnavali
- (7) Thithi Chandrika
- (8) Khechara Darpanam
- (9) Dina Chandrika
- (10) Panchanga Manjusha and
- (11) Siddhanta Rahasyam are some of the prominent books.

In the recent past Sri Damodara Bapuji Ketakar is a famous Driksiddhanta Ganita research scholar. He wrote Jyotirganitam. It is very useful for Driksiddhanta Ganitam as many Panchanga Karta's are following Driksiddhanta Ganitam which is approved by the Govt of India.

Panchanga Sravana phalam:

శ్రీ కళ్యాణ గుణావహం రిపుహరం దుస్స్వప్ప దోషాపహం| గంగాస్నాన విశేష పుణ్యఫలదం గోదానతుల్యం నృణామ్| ఆయుర్ప్రద్ధి దము త్తమం శుభకరం సంతాన సంపత్ప్రదమ్| నానాకర్మ సుసాధనం సముచితం పంచాంగ మాకర్ణ్యతాం||

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