



C.KANDASWAMI NAIDU
PROGENITOR



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NCC



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Asst. Prof. of Physics

INDUCTION DAY - SHIFT - I



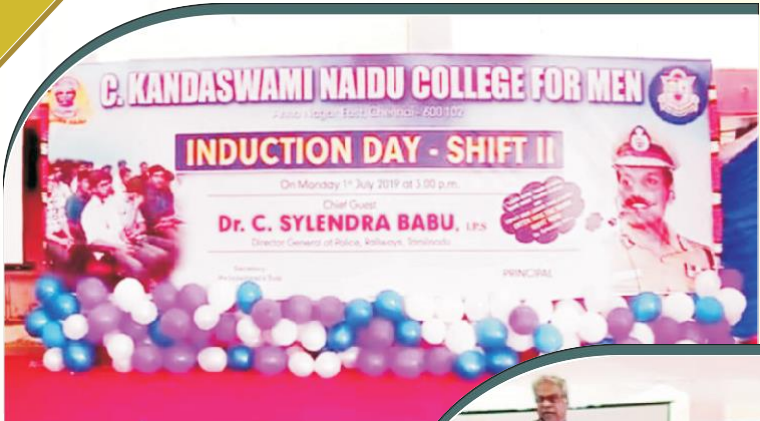
INDUCTION DAY - SHIFT - I



INDUCTION DAY - SHIFT - II



INDUCTION DAY - SHIFT - II



INDUCTION DAY - SHIFT - II



73rd INDEPENDENCE DAY



JD AUDITING



Parents - Teachers Meeting - Shift - I



Parents - Teachers Meeting - Shift - I



Parents - Teachers Meeting - Shift - I



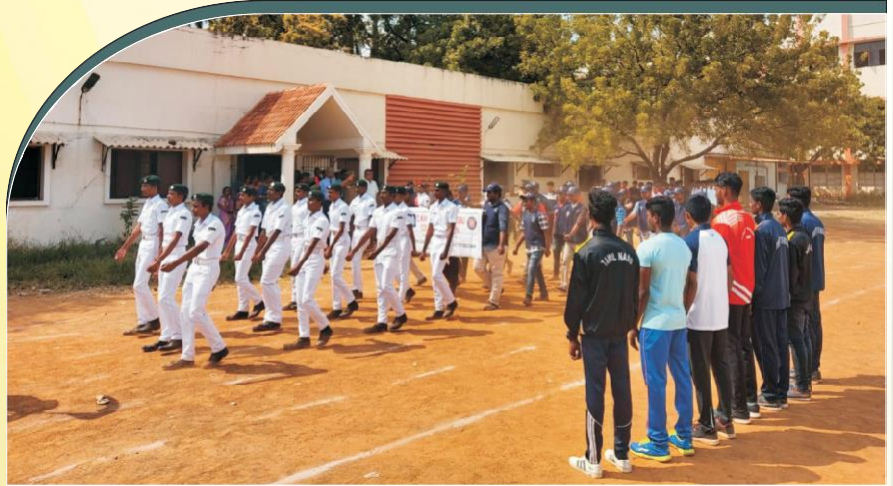
Parents - Teachers Meeting - Shift - II



Parents - Teachers Meeting - Shift - II



SPORTS DAY - Shift - I



SPORTS DAY - Shift - I



SPORTS DAY - Shift - I



Mr. S. Sriman
Department:
B.Sc., Maths 1st Year
Event: Judo

Eminence

1. State Gold Medalist 19-20
2. Junior State Gold Medalist 19-20
3. Khelo India - Bronze Medalist 19-20
4. Qualified in Indian Team

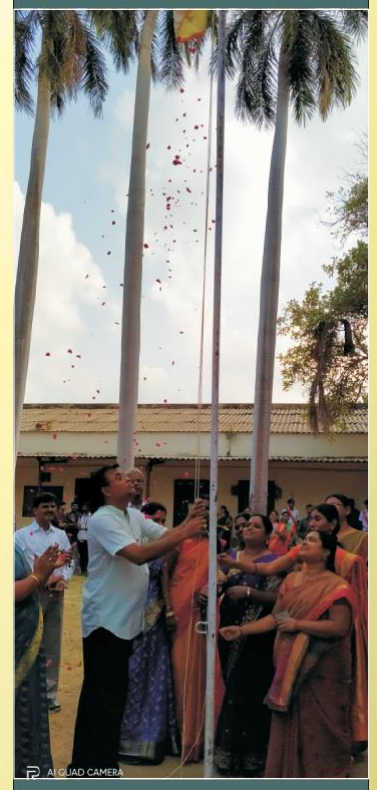
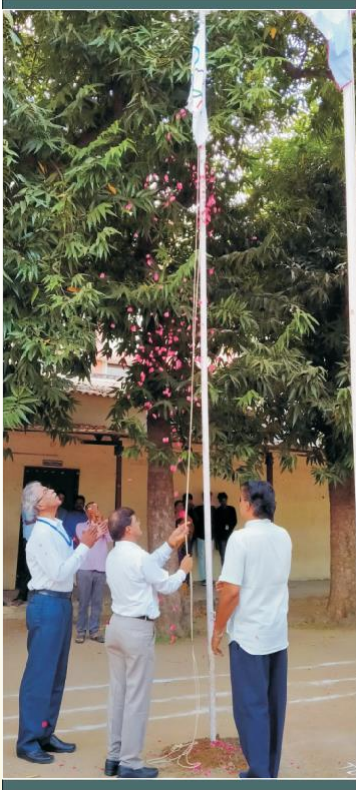


Mr. D. Magimai Das
Department:
B.A., Eco 1st Year
Event: Weight Lifting

Eminence

1. Inter University Bronze Medalist
2. Represented Khelo India Games
3. Represented University of Madras in All India University Competition

SPORTS DAY - Shift - II



SPORTS DAY - Shift - II



Mr. V. Jeevajoithi
Department: B.Com., 1st Year
Event: Volleyball

Eminence

1. Member of Tamilnadu Senior State Volleyball Team
2. Member of Tamilnadu Volleyball Team in Khelo India Games
3. Member of University of Madras Women Volleyball
4. Receiving Sports Kit from Volleyball Federation of India President



NCC



NCC



NCC



NSS PROGRAM



KANDASWAMI NAIDU COLLEGE FOR M



NSS PROGRAM



KANDASWAMI NAIDU COLLEGE



NSS PROGRAM



NSS PROGRAM



PLACEMENT



PLACEMENT



FOOD MELA SHIFT - I



FOOD MELA SHIFT - I





குளமேனி திருவள்ளூர்

NEWS 7 TAMIL

நியூஸ் 7 தமிழ் அன்பு பாலத்துடன் இணைந்து கல்லூரி மாணவர்கள் மேற்கொண்ட நலப்பணி முகாம்

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அண்ணாநகர் கிழக்கு, சென்னை - 600 102.

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Department of Physics WORKSHOP ON NON-LINEAR OPTICS



Department of Physics WORKSHOP ON NON-LINEAR OPTICS



Department of Physics WORKSHOP ON NON-LINEAR OPTICS



MATHS DEPARTMENT



MATHS DEPARTMENT



CHEMISTRY DEPARTMENT



CHEMISTRY DEPARTMENT



ENGLISH SHIFT - II



MIMING



Workshop on Office Management



COLLEGE DAY SHIFT - I



COLLEGE DAY SHIFT - I



COLLEGE DAY SHIFT - I



COLLEGE DAY SHIFT - II



COLLEGE DAY SHIFT - II



WORKSHOP ON NAAC



**C. KANDASWAMI NAIDU COLLEGE FOR MEN (UNIT
OF PACHAIYAPPA'S TRUST)**

E7, III Avenue, Anna Nagar East, Chennai – 600 102

(Affiliated to University of Madras)

**Dr. P. MURUGAKOOTHAN, M.Sc., M.Phil., Ph.D., C.Y.Ed., FASc.,
Principal**



ANNUAL REPORT : 2019 -2020

Respected President of Pachaiyappa's Trust Honorable Justice Mr. P. Shanmugam, Secretary of Pachaiyappa's Trust Ms. M. Arachelvi, Special officer Dr. C. R. Bojan, Estate officer Er. R. Jayapragasam, Heads and staff members of various departments, Non – Teaching staff members, my dear student friends, brothers and sisters very good morning to one and all

I feel privileged to present this action filled annual report : 2019 – 2020. I took charge as Principal on 09.05.2019. The senior professors Dr. A. Srinivasan, HoD of Commerce and Principal i/c till 08.05.2019 and Dr. V. Chandrasekar, HoD of Chemistry were retired from full-fledged service on 31.05.2019. Ms. M. Arachelvi, Secretary, Pachaiyappa's Trust issued their relieving orders on the same day.

Seventeen Guest Lectures in Shift I and 48 Assistant Professors in Shift II were appointed in the month of June 2019. The appointments were made

on the basis of conducting interview by following the instructions of the President of Pachaiyappa's Trust, Chennai – 600 030.

Our college was reopened on 17.06.2019, after summer vacation, as per the directions of Director of Collegiate Education.

Courses:

Our college offers B.A. Economics, B.Com. General and B.Sc. Physics, Chemistry and Mathematics under aided stream. In Self – Financing stream, we have B.Com. General and Accounting and Finance, B.Sc. Computer Science and Chemistry, B.C.A. and B. A. English Literature.

Admission:

Students admission was strictly done by following the government rules and regulations. In this academic year, 250 students were admitted under aided stream and 410 students were admitted under self – financing stream.

The total strength of our college for this year is 2156.

Induction Programmes :

As per the directions of University of Madras, Induction programme was organized for the I year students to familiarize the campus for shift I students on 20.06.2019 and shift II students on 01.07.2019

University Examination Results :

In the November – 2019 University Examinations, about 75% of our students have passed in their I, III and V semesters. I proudly say, many of our students secured centum in their major and allied papers. First B.Sc. Chemistry students have secured 100% result in their Tamil paper.

Association Activities :

In order to improve the personality of our students, all the departments of our college have organized Association programmes.

As a part of Association activity B.Sc. Chemistry, B.Sc. Physics and B.A. Economics have conducted intra – department competitions to their students. Dept. of Mathematics has organized an inter-collegiate competitions for colleges in and around Chennai and Dept. of Commerce has

organized an entrepreneur career development programme for their students. In Shift - II, B.A. English Literature Department has organized an inter-collegiate competitions for colleges in and around Chennai with 200 competitors. B.Com. General and Accounting and Finance, B.Sc. Computer Science and B.C.A. Departments have conducted intra – department competitions to their students.

All the departments have encouraged their students to participate in popular lectures and competitions organized in other institutions. The Department of Chemistry has arranged an educational tour for their students.

Doctoral Degree and NET Qualification :

Dr. C. Sampath, Head and Assistant Professor of Telugu, Dr. K. Kalpana, Assistant Professor of Mathematics and Dr. S. Mahalakshmi, Librarian have received their Doctoral degree during this academic year. Dr. E. Prema, Assistant Professor of Tamil and Dr. S. Hemalatha have received their Doctoral degree during this academic year.

Ms. J. Yamuna, Guest Lecturer, Department of Commerce has cleared

NET examination in NTA on December 2019.

Research Activities :

- Dr. P. Sekar, Former Principal and HoD of Mathematics of Our College convened 2 Ph.D. viva voces.
- Dr. R. Natarajan, Former Head and Associate Professor of Economics convened 1 Ph.D. viva voce.
- This year 7 students have applied for Ph. D. degree under the guidance of Dr. P. Murugakoothan, Dr. P. Sumathi and Dr. S. V. Arun.
- Three students received their Ph.D degree and 5 Students submitted their Ph.D. thesis this year under the guidance of various research guides of our college.

As a part of research activity development, our staff member are actively engaged in publishing research articles in peer reviewed scopes indexed journals and UGC care list journals, participating and presenting their findings in various conferences, seminars and workshops. Based on the merit of our staff, they were recognized as resource persons for many of the programmes organized by other institutions. Vilayattu Ulagam journal was subscribed for life time for the

development of research activities in sports.

Memorandum of Understanding (MOU) :

In the history of our institution, for the first time, our institution has signed 3 MoUs with other institutions & concerns with the permission of our President, Pachaiyappa's Trust. The first one is with SRM Institute of Science and Technology (SRMIST), Kattankulathur under UGC – Paramarsh : Mentor - Mentee scheme to gain NAAC for our institution. The second one is with News 7Tamil Anbupalam for social activities and the third one is with Mahindra Pride School for Placement.

Internal Quality Assurance Cell (IQAC) :

IQAC was formed with Dr. P. Sumathi, HoD of Mathematics as Co-ordinator. Steering committees related to seven criterias of NAAC were formed and the members of this committee along with IQAC coordinator attended a workshop on NAAC at SRMIST, Kattankulathur on 23.01.2020

Conduct of Workshops :

I feel proud to inform that the following workshops were organized this year in our college

- "Workshop on NAAC" by IQAC on 27.07.2019
- "Workshop on Growth and Characterization studies on Non – Linear Optical Crystals" by the Department of Physics under the sponsorship of Indian Science Congress Association, Chennai chapter on 01.10.2019.
- "Workshop on Office Management" by our office on 19.10.2019.

Cultural Competitions :

Both English and Tamil departments have conducted Annual Inter – Departmental competitions for the academic year 2019 – 2020 from 07.12.2019.

National Service Scheme (NSS) :

The four NSS Units of our College are functioning well. They involved in traffic regulation activities at Anna Nagar roundana and K4 Police station signals in association with Chennai traffic police for over two months, campus cleaning works at our college, University of Madras and Our adopted Greater Chennai corporation school, Aminjikarai, Organization of Independence day, Republic day, Induction programmes, food mela and so many other programmes in our college. Our NSS Students have

participated in several competitions organized by various institutions and participated in several awareness rallies and programmes. Our NSS volunteers saved many life's by donating their blood.

NSS Special camp was organized at soolameni village during 09.02.2020 to 15.02.2020. During this Camp, our NSS students were involved in plantation, cleaning of schools, hospitals roads, Water bodies and other places in and around soolameni village, Conducted various awareness rallies and programmes and blood donation camps.

Rotract Club :

Rotary club of Arch City Madras was installed in our college on 29.08.2019. In association with NSS and NCC units of our College Rotract club has organized one day orientation programme for staff, Eradication of polio, blood donation for Rajiv Gandhi General Hospital and Established drip irrigation for our college garden.

National Cadet Corps :

Dr. G. R. Ramkumaar, Assistant Professor, Dept. of Physics attended the training camp at OTA Kamptee from 03.06.2019 to 31.08.2019 and he

became SUB LIEUTENANT of our NCC Naval wing.

Mr. R. Dineshkumar, NCC student, Department of Chemistry has attended the prestigious Marina Republic Day Camp in the month of January 2020. The other camps attended by our NCC students are Pre-IUC camp, CATC cum RDC TRG camp, SCUBA diving camp Inter-unit competition training camp and CATC camp. They have participated in International Yoga day, campus cleaning activity, piloting the chief guests and associated with the organization of Independence and Republic days.

Placement Cell :

Our Placement cell has signed MoU with Mahindra Pride School, Naandi Foundation on 30.10.2019 for training and placement of our students. Placement Cell has conducted several on and off campus placement drives. The following are some of the major programmes conducted by our placement cell,

- 5 Passed out Students were selected in the off campus drive by ICICI bank
- Personality development programme by "Udhavi Society"
- 84 Students were selected as

digital home sales officers for JIO company

- 12 Students were selected in an on campus drive by samarath learning solutions
- 45 students were selected for skill development training programme under Prime Minister Kaushal Kendra Scheme by Roomen Technologies
- Placement drive is going on Continuously and expected many more students will be placed in these drives
- Placement cell has placed 167 Students in various private sectors

In addition placement cell has conducted skill and personality development and career building workshops for our students.

Sports and Games :

The President, Pachaiyappa's Trust has issued an order to grant 100% tuition fees waiver for outstanding sports persons by our efforts. There are 11 students from various departments have received merit award of this academic year. Our college Volley ball, Badminton, Kabaddi, Cricket and Football teams have participated in University of Madras B – Zone tournaments and secured third position in both Ball Badminton and Kabaddi.

Our Foot Ball team became the runners in DRBCC trophy. Annual sports day was conducted on 08.02.2020. The Department of Economics has won the overall championship.

Our College is Institutional member of Physical Education Foundation of India.

Other Activities :

- TNPSC Group IV coaching was given to our Students during 10.08.2019 and 31.08.2019.
- Independence day was Celebrated on 15.08.2019
- Health club was inaugurated in our college on 06.09.2019
- Ayudha Pooja was celebrated on 04.10.2019.
- Pongal Festival celebrations was organized on 11.01.2019
- Traditional Mega Food Melas were organized in association with News 7Tamil Anbupalam. Thiru. Thyagachemmal, Joint Editor of News 7 Channel was a Chief. Guest for Food Mela (Social Cause) for the Shift I Students on 10.01.2020. Food Mela for Shift - II students was organized on 19.02.2020.
- Republic day was celebrated on 26.01.2020

- Parents Teachers meeting for the whole college was organized with the overwhelming response of the parents on 15.02.2020
- Designing of new website for our college with International Standards is under progress

I feel very proud to say that many of our programmes were covered by Media, Especially News 7Tamil Anbupalam, Anna Nagar Times, Malar News, Polimer TV, Tamilan TV, Media News, Maalai Tamizhagam etc.,

Discipline :

All the Staff members have cooperated well with the Principal to maintain good discipline in the college campus and to achieve our prime motto of "Character through Punctuality"

I whole heartedly thank the Management, Teaching and Non – Teaching staff members for their overwhelming support in bringing success in all our activities in this Academic year 2019 -2020.

Dr. P. Murugakoothan
PRINCIPAL



ANNUAL SPORTS REPORT

C.Kandaswami Naidu College for Men

DR. S.V.ARUN, M.P.Ed., M.Phil., Ph.D.,
Director of Physical Education and Sports



DEPARTMENT OF PHYSICAL EDUCATION

Good morning to one and all present here. I feel proud and honour to welcome our Chief Guest Thiru R.Srinivasalu, Asst. Commissioner of Police, Greater Chennai Police, Principal, Sports Advisory Committee Member and College Committee Member. First of all, I would like to thank the Principal, Faculties, Office staffs and Students for all of their enthusiasm and participation in Annual Sports Day activities.

It gives me immense pleasure to present the annual report for the academic year 2019-20. Department of Physical Education takes pride and thank lord almighty for showering all his blessings for achievements in competitive sports.

A healthy body ensures a healthy mind and it is equally important to develop both these components of a fit and energetic personality. Focusing on the physical fitness and participation of competitive sports our college gives

3% admission as per higher education norms under sports quota in all UG courses.

Physical Education is an interdisciplinary subject and foundation for life long fitness. Department of Physical Education has an unfailing track record in providing facilities and encouraging every sport activity that student find interest in.

Sports Advisory Committee: Our College Sports Committee meeting was held on 26.07.19. I thank our Chairman, Advisory committee member for whole heartedly approved the agendas for the student welfare and establishment of sports activity in systematic way by allotting required funds necessary for student participation and department development.

1. Our College is Institutional Member of Physical Education Foundation India.

2. Lifetime Subscription was made in "Vilayattu Ulagum" health magazine covering exclusively sports Monthly Journal.
3. Printer with Scanner was provided to the department for Research cum College activities.
4. Admission of Outstanding Sportsmen with 100% tuition fees waiver was granted by our beloved President to all units of Pachaiyappa trust. The effort was taken by our respected Principal. I express my sincere thanks sir.

Future Agendas with Whole Hearted support of Sports Advisory Committee

1. C.K.N.C. Cricket Academy
2. Inter Collegiate Tournament
3. Conference/ Seminar in "Sports Youth Empowerment"

International Yoga Day: is celebrated annually on 21st June. Our College students participated in Yoga Day Celebration at University Union Ground, Chetpet organized by University of Madras.

National Sports Day: National sports day in India is celebrated on 29th

August. This day marks the birthday of Major Dhyan Chand Singh, the hockey player who won gold medals in Olympics for India.

World Heart Day our students participated in Rally on World Heart Day on 28.09.19 at Elliot's Beach.

Research Department: Under the guidance of Dr S.V.Arun Four scholars have enrolled doing Ph.D Part Time in Physical Education in our College.

Sponsor: Thiru P.Sasirk S/o Dr T Saraswathi Former HoD Dept of Commerce, Sponsored Rs 20,000 to our student participated in National Power Lifting Competition to purchase special costume who lost Medal in competition without costume.

University Represented Players

1. M. R. Parveh Musharaf - B.Com 3rd Year - Boxing - Represented University of Madras Last 3 Years, State & National Gold Medalist
2. C. Dinesh- B.com 1st Year- Weight Lifter -Represented Tamil Nadu Khelo India,
3. D. Magaimaidas - B.A.Eco 1st Year Weight Lifter Represented

University of Madras, Khelo University Games, South Zone Inter-University- Silver, Bronze Medalist

4. V. Ruban - B.A Eco 1st Year - Represented Tamil Nadu Khelo India in Malkamb, Silver Medalist
5. S. Sriman - B.Sc Maths 1st Year - Represented Tamil Nadu in Judo, Khelo India Bronze Medalist, National Bronze Medalist
6. B. Arun babu - B.Sc Maths 3rd - Represented University of Madras in Yoga Last 2 years, State & National Malkamb Medalist
7. N. Jayakumar - B.Sc Maths 3rd - Represented University of Madras in Yoga Last 2 years, State & National Malkamb Medalist

'B' Zone Tournaments

1. Volleyball - Lost in Quarter Finals - Two players got selected in UNOM Zone Team
2. Ball Badminton - Secured Third Position - Two Players got selected in UNOM Zone Team

3. Kabaddi - Secured Third Position - Three Player got selected in UNOM Zone Team

4. Cricket - Lost in Quarter Finals - One Player got selected in UNOM Zone Team

5. Football DRBCC Trophy Runners

The Four Objectives of Physical Education

1. Improved Physical Fitness
2. Appreciation of Physical Activity
3. Sportsmanship Development
4. Improved Social Skills

On behalf of Sports advisory committee Chairman, Advisory committee Members and students I express my sincere thanks to Management, teaching and Non-Teaching staff of our college for their constant encouragement and motivation of sporting activity.

Thanking One and All



C.KANDASWAMI NAIDU COLLEGE, CHENNAI-102
NCC NAVAL DIVISION
1(TN) NAVAL NCC UNIT
NCC NAVY WING ACTIVITIES DURING THE ACADEMIC YEAR
2019-2020

NUMBER OF CAMPS ATTENDED BY CADETS:

S.No.	Camps	Dates	No. of Cadets
1.	SUBA diving Camp	11 th July -31 st July 2019	8
2.	Pre-IUC Camp	22 nd July — 31 st July 2019	16
3.	CATC cum RDC TRG camp	20 th Aug - 29 th Aug 2019	5
4.	CATC Cirrip	3 rd Jan to 12 th Jan 2020	2
5.	MRDC Camp	18 th Jan to 27 th Jan 2020	1

NCC CERTIFICATE EXAMS:

`B' Certificate exam conducted on 9th February 2019 in Anna University, Guindy was successfully completed by 18 cadets of NCC Navy Wing.

ACTIVITIES

- Dr.G.R.Ramkumaar attended military training camp at OTA Kamptee, Nagpur, Maharashtra for three months and designated as Sub Lieutenant.
- International Coastal Cleanup program was organized by Indian Coast Guard at Edward Elliot's Beach, Beasant Nagar, Chennai
- Cleaning Cooum Campaign was conducted by National Disaster response force at Aminjikai, Chennai
- Cleaning College Campus at CKN College, Chennai
- Statue Cleaning activity - Dr.Ambedkar Statue next to CKN College, Chennai

- Traffic Control management was done by NCC Cadets at Roundtana signal, AnnaNagar, Chennai
- Awareness program on Pollution Control - Classes Conducted for NCC Cadets at CKN College, Ckcnnai
- Training for first year NCC Cadets at CKN College, Chennai
- Swimming Training Class at Anna Swimming Pool, Chennai
- Firing Training at OTA, Chennai
- NCC cadets play an important role in celebrating Republic Day on 26th January, 2020 and successfully completed the Guard of Honour
- Seminar was Conducted on the topic “The way Ahead”, an awareness for Swachhta
- An awareness Program for NCC Cadets was conducted on the Effects of indiscriminate use of plastics in coastal areas at Pachaiyappa’s College, Chennai
- NCC cadets also play an important role in celebrating Sports Day at CKN College, Chennai
- R. Abdul Rahiman, Commanding Officer(AOL) visited our Naval wing CKN College, Chennai



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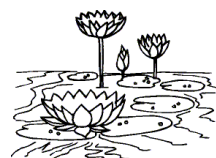
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C.KANDASWAMI NAIDU COLLEGE FOR MEN

PLACEMENT CELL REPORT (2019-2020)

SHIFT - I

The Placement Cell of C. Kandaswami Naidu College for men has another fruitful year of placements in the academic year 2019-20 which saw various companies approach us in their hunt for fresh talent for their organizations. Each year, we invite and host companies on campus and off campus to hold recruitments for our students.

The Placement Cell is headed by our Principal, Dr. P. Murugakoothan. All the activities of the Cell are led by Tmt.T.Saraladevi , Asst. Prof.,Dept of History, Dr.G.Thennarasu, Asst. Prof., Dept of Chemistry, Mrs. G. Sangamitrai, Asst. Prof., Dept. of Commerce, Dr.N.Angayarkanni, Asst. Prof. of Chemistry and Student Core Committee, which consists of students from different courses in final year. We aim to invite companies from various fields in order to make opportunities available not just for students of commerce, science and arts.

The Placement Cell of C. Kandaswami Naidu College for men aims at making available quality placement opportunities for the students of the college. It acts as an interface between the students of the college and various companies that come for recruitment.

List of Programmes Conducted:

- Orientation Programme conducted on 20-09-2019.
- MOU with Mahindra pride school and Naandi foundation on 30th October 2019.
- Off campus drive for passed out students conducted on 24-09-2019 by ICICI Foundation for Inclusive Growth a part of ICICI Bank. (5 Students selected)

- Students were given basic computer operations, spoken English, Retail management & Accounting and billing –Training conducted by “Udhavi Society”.
- Fulltime and Part time campus drive for II & III year students conducted for the post of digital home sales officers by JIO on 05-12-2019. (84 students selected)
- On campus drive by Samarth learning solution on 25-01-2019. (12 students selected)
- Skill development training programme organized by Rooman Technologies collaboration with PMKK Scheme. (45 students selected)
- On campus drive by Mahindra Pride School on 17-02-2020. (waiting for results)
- Off campus Drive by Capegemini on 20-02-2020. (waiting for results)
- Mega drive will conduct on 07.03.2020

We proud to say 146 students from Shift-I have been placed in various private sectors.

Like the previous years, this year also the cell organized several workshops for students- The seminar on Soft Skills Development and Career Building was held in collaboration with Mahindra Pride School and Magic Bus for all final year students.



Report On Activities Of CKNC With News 7 Tamil Anbupalam 2019 - 2020

Dr. S. INDUMATHI, M.Sc., Ph.D.,
Assistant Professor of Zoology



Anbupalam was started by news7 channel in order to help the needy people in the society. Enormous activities are being conducted by the news 7. Later on news7 Tamil Anbupalam joint hands with the colleges to serve the society. One such opportunity was utilized by our college to serve the needy people, thereby on October 10th 2019 we made a MOU (Memorandum of Understanding) with news7 Anbupalam to take part in the social activities. We have a vibrant NSS and NCC unit which has been established with a rudimentary objective of providing a stage for the interested students to partake in social work during their free time. All volunteers joint hands with the News7 Tamil Anbupalam to serve the society. News7 Tamil Anbupalam slogan goes on “**Public interest and Responsibility**” through this MoLJ, the signatories wish to explore collaborations for serving the underprivileged people by providing the service minded youths (interested volunteers and faculties) to train and helped the deprived one.

As a record of accomplishments and triumphs.

Food mela program:

In addition to their regular social work, our students also actively participated and organized Food mela and theme of village foods was chosen in order to inculcate the young minds to eat healthy foods and stay healthy by avoiding junk foods that the main motto of this program and also this will sharpening their skills in Marketing, Event Management and Function Catering. In its endeavor to train students in all the aspects we organized a Food Festival - on 10th January for shift I and 18th February 2020 for shift

II. Mr M.T.Thyagachemmal Joint Editor of news7 channel anbupalam and our college Principal Dr.P.Murugakoothan were the chief guest. They both appreciated and said this was the hands on experience to the students to showcased the talent. The event was attended by entire college which included faculty, non teaching staff and

students .

Road Safety program:

Interested students Volunteers and NSS, NCC students of College conducted various Road safety programs such as regulation of traffic along with police department on road safety to aware citizens of India regarding various safety measures should be adopted while driving the vehicles on the road. This program was conducted during the month of 1- 8th February 2020.

Special camp Program: This was a week program from 9th February to 15th February 2020 at Sulameni, Periyapalayam, Thandalam, Palavakkam village we advised the volunteers to use this camp as a learning opportunity by, serving the community. Mr.M.Praveen, Head of Human resource department News7 Tamil was the chief guest for the environmental awareness program and our college principal initiated the Awareness Rally on Cleanliness. During the rally, student interacted with many residents of the area and urged them to take up the cause seriously so that our country can stand tall among nations known for their clean and hygienic environment, The free health checkup camps was also organized across the' village during this special camp.

Despite the short time period of interval after signing the MOU, we have tried our level best to serve the needy people along with anbupalam team. We would like to continue the service to our1 community in near future. The above listed programs were telecasted in News7 Tamil channel it is also available in website given below.

<https://youtu.be/avLHnaLFOLo>

<https://youtu.be/x6mZoYjVxGo>

<https://youtu.be/2sHhkElh6es>

https://youtu.be/u4Q_3Vxr064

The team of Anbupalam from our college was headed by principal P. Murugakoothan, college committee members Dr. G. Premasundari, Dr. P. Sumathi and faculty members involved in the activities were, Dr.C.Sampth, Dr.P.Vinayagamoorthy

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C. KANDASWAMY NAIDU COLLEGE FOR MEN, CHENNAI
DEPARTMENT OF PHYSICS ANNUAL
REPORT (2019-2020)

Dr. P. MURUGAKOOTHAN,
Principal,
Associate Professor and HoD of
Physics

Published 10 research articles in the reputed International Journals and 6 research articles in the Proceedings and become reviewer of many International / National Journals.

Acted as organizing secretary, Member : Advisory Committee for 7 conferences and workshops. Delivered invited talks in 2 conferences.

Members - Board of Studies for PG (01.07.2018-30.06.2021): University of Madras, Chennai and Women's Christian College, Chennai.

Coordinator, Physics Olympiad Examination (29.02.2020) conducted by Academy of Sciences, Chennai Chapter.

Chief Guest, AURORA - Association Inaugural Function and Inventor's Day Celebration, Dept. of Physics, Quaid-E-Millath Govt. College for Women, Chennai on 30.09.2019.

One of his students Mrs. T. Solaiyammal defended her research work in the Ph.D., public viva-voce during October 2019.

Dr. G.R.RAMKUMAAR
Assistant Professor of Physics

JOURNALS PAPERS REVIEWED:

Analytical letters

DISCRIMINATION OF DNAs FROM SALMONELLA SEROVARS BEFORE AND AFTER UV DEGRADATION, USING FOURIER TRANSFORM INFRARED SPECTROSCOPY AND CHEMOMETRIC METHODS.

Chemical Biology & Drug Design

Structural, Vibrational and Kinetic Analysis of a Series of Ibuprofen Derivatives by Using Ab-Initio Quantum Mechanical Calculations

Journal of Biomolecular Structure & Dynamics

Observation of Quantum Signature in Rivastigmine Chemical Bond Break-

up and Quantum Energetics,
Spectral Studies of AntiAlzheimer
Inhibitors

EXAMINER

Practical's - Appointed as a
External Examiner - October 2019 in
THE NEW COLLEGE, Chennai

NCC TRAINING

I attended military training camp
at OTA Kamptee, Nagpur,
Maharashtra for three months and
designated as Sub Lieutenant.

PHYSICS DEPARTMENT 2019- 2020 WORKSHOP

A one day workshop on Growth
and Characterization studies on Non-
Linear Optical crystals was
conducted on 1st October 2019
organized by the Department of
Physics with the sponsorship of
Indian Science Congress Association,
Chennai Chapter. The workshop had
the overwhelming response from 20
city Colleges and more than 50
external participants which included
undergraduate, post graduate,
M.Phil, Ph.D research scholars and
Faculty members.

The inaugural address was
delivered by the Chief Guest
Prof.

C. Muthamizhchelvan, Ph.D.,
[Converner, ISCA (Chennai Chapter),
Director, Faculty of Engg. and
Technology, SRMIST, SRM University
Kattankulathur - 603 203]. He spoke
on need based research in Science
and Technology for sustainable
development.

Prof. R. Jayavel, Ph.D., (Crystal
Growth Centre, Anna University,
Chennai - 600 025], Guest of Honour
delivered the special address. Prof C.
Venkateswaran, Ph.D., (Head, Dept.
of Nuclear Physics, University of
Madras, Chennai - 600025 and Dr. S.
Ganesamoorthy, Scientist 'F',
Materials Physics Division, IGCAR,
Kalpakkam felicitated the program.

Prof. G. Anbalagan, Ph.D., (Dept. of
Nuclear Physics, University of
Madras, Chennai - 600025) was the
Chief Guest who delivered the
valedictory address. The Guest of
Honour Dr. R. Mohan Kumar, Ph.D.,
(Associate Professor of Physics,
Presidency College, Chennai -
600005) delivered the special
address.

DEPARTMENTAL ACTIVITIES

The association constantly
encourages students to participate in
intra departmental Competitions
held

on January 9, 2020. The events include PowerPoint Presentation on Recent developments in Research field, Drawing competition, poster presentation and Quiz competition through online.

STUDENTS PARTICIPATION - CONFERENCE

Six Students attended International Conference on “Recent Advancements in Material science” held at The New College, Chennai on 21st January 2020. The Students gained knowledge on the recent advance materials.

ASSOCIATION MEETING

The Department of Physics organized Association meeting on February 1, 2020 was inaugurated by Dr. D. Sastikumar (Alumni of CKNC), Professor of Physics, National Institute

Of Technology, Tiruchirappalli for Physics students to encourage and motivate them towards research in basic Science. Finally, the winners were awarded with prizes.

STUDENTS ACHIVEMENTS

INTERCOLLEGIATE COMPETITIONS

The Department encourages the students to expose their creativity by making them participate in various Inter Collegiate competitions (Hindu College, Guru Nanak College, Pachaiyappas College, Thiruthangal Nadar College, Madras Christian college, Indian institute of Mathematical science, University of madras, D.G. Vaishnav College, SDNB Vaishnava College and Savitha Engineering College.



DEPARTMENT OF MATHEMATICS ASSOCIATION & INTERCOLLEGIATE COMPETITION

Our Department organized an Association & Intercollegiate competition on 04-01-2020 in our college premises.

Our Department communicated with twenty colleges in and around Chennai and eight colleges responded.

Dr.P.Sumathi, Associate Prof. & HOD of Maths, Administration Committee Member, delivered a welcome address.

Dr.P.Murugakoothan, Principal delivered a Presidential address.

Dr.P.Murugakoothan, Principal and Dr.G.Prema Sundari, Associate Prof. & HOD of English, Administration Committee Member, Coordinator (Shift-II), were honored by our department.

We have conducted five competitions namely,

(i) Paper Presentation, AD-ZAP and Quiz as on-stage events.

(ii) Rangoli and Math Modeling as off-stage events.

In Paper Presentation, Ramakrishna Mission Vivekananda College, secured I position & Loyola College secured II position.

In AD-ZAP, Loyola College secured I position and St.Thomas College secured II position.

In Quiz, Loyola College secured I position and Ramakrishna Mission Vivekananda College secured II position.

In Math Modeling, Sindhi College of Arts & Science secured I position and Anna Adarsh College for Women secured II position.

In Rangoli, Loyola College secured I position and Shri Krishnaswamy College for Women secured II position.

This programme ended up with a prize distribution section. Prizes along with certificates were distributed by Dr.G.Prema Sundari, Associate Prof. & HOD of English, Administration Committee Member, Co-ordinator (Shift-II) to the prize winners.

The whole ceremony was mastered by A.S.Vignesh, III B.Sc., Maths & a word of thanks was given by B.Gopinath, III B.Sc., Maths.

DEPARTMENT OF MATHEMATICS STAFF AND STUDENTS ACTIVITIES

- Dr.P.SUMATHI, Associate Prof. & HOD of Maths, Administration Committee
- Member published eight research papers in peer reviewed and Scopus indexed journal.
- Under her guidance One scholar awarded Ph.D and three submitted Ph.D thesis.
- Elected as Academic Council Member, University of Madras.
- Served as an external additional examiner for the University examination November 2019.
- Acted as a chair person in International Conference on “Recent Advancements in Applied Mathematics” at SIVET College, Gowrivakkam, Chennai.
- Dr.K.KALPANA, Assistant Professor of Mathematics, awarded Ph.D degree in Bharathiyar University, Coimbatore on the topic “On the structure of fuzzy graph defined from degree sequence” on 3rd December, 2019.

- Dr.M.MADHAN, Assistant Professor of Mathematics, communicated two research papers in peer reviewed Journal UGC Care List.
- In the November 2019 University Examination, A.S.Vignesh of III B.Sc., Maths secured centum marks in Major paper Real Analysis - I.
- M.Kumar of II B.Sc., Maths secured 100% attendance in the odd semester 2019-2020.

DEPARTMENT OF MATHEMATICS

PRIZE WINNER LIST

Major - MATHEMATICS

III B.Sc., MATHS

1. B.Arunbabu - I
2. A.S.Vignesh - II
3. V.Sathyanarayanan - III

II B.Sc., MATHS

1. M.Kumar - I
2. K.Rajesh - II
3. L.Devaraj - III

I B.Sc., MATHS

1. M.Madhavan - I
2. N.G.Thulasiraman - II
3. B.Manochathiriya - III

Allied Mathematics - I (Science)

1. V.Divakar (I B.Sc., Physics) - I
2. V.Padmanaban (I B.Sc., Physics)-II
3. R.Pachaiyappan (I B.Sc., Physics)-III

Allied Mathematics - I (Commerce)

1. G.Sheshachalam (II B.Com.,) - I
2. M.Shanmugam (II B.Com.,) - II
3. A.Vijay (II B.Com.,) - III



Department of Chemistry (Magazine Report)

C. Kandaswami Naidu College for Men, Chennai-102

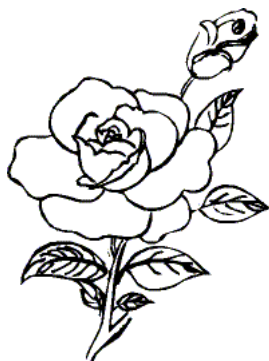
Academic Year 2019 March – 2020 March

- Quiz event: Dr. P. Vinayagamoorthy, Assistant Professor of Chemistry and Dr. S. Indumathi, Assistant Professor of Zoology organized Chemquize 2019 event on 5th September 2019
- Famous scientist and their inventions: Principal told stories about every scientist on Department drawing competition entitle “Famous scientist and their inventions” held on 25th September 2019
- On 4th October vijayadasami pooja: Principal with Department staff at vijayadasami Pooja celebration on 4th October 2019
- November 2019: Dr. P. Vinayagamoorthy was honoring (November 2019) on district level science exhibition at Pallavaram Hr. Sec., School, Chennai
- National Children Science Congress: Dr. G. Thennarasu and Dr. P. Vinayagamoorthy and Dr. S. Jothivel were the judges in 27th national children science congress programme (November 2019) held at Pallavaram Hr. Sec., School, Chennai
- December 2019: Dr. S. Jothivel & Dr. K. Deepa conducting speech competition entitled “The role of chemistry in science development” On awareness of sapling plantation in college campus (December 2019)

Department of Chemistry (Magazine Report)

- Prof. S. Dhamodharan, on Chemzy Association Valedictory function
- Prof. S. Dhamodharan, (former HOD of Chemistry) delivered motivational speech on “Chemzy” Department valedictory association function was held on Jan 2020

- January NAAC committee: Department staff attended NAAC committee (January 2020) at SRM Institute, Katangulatoor, Kancheepuram district
- 1st February Science visit: Dr. P. Vinayagamoorthy arranged students science visit (February 2020) at Periyar Science and Technology Centre, Kotoorpuram, Chennai
- 15th February Department parent meet: Department staff consulting about student academic status with their parents during parent meeting held on 15th February.
- Academic Year 2020 March – 2021 March: Mr. R. Santhakumar (IIIrd Year B.Sc., Chemistry) received national level essay article writing achievement award (2020 July) by his innovation idea on water saving.



**C.Kandaswami Naidu College for Men, Chennai -
600102**

Department of English - Shift - II

Annual Report - 2019 - 2020

Aristotle says, "The Roots of education are bitter, but the fruit is sweet."

Establishment:

- Department of English (Shift — II) was emerged in C.Kandaswami Naidu for Men in the year 2014 with 30 students in B.A English course.

Strength of the Department:

- The Department of English is accommodated with 120 students in B.A English and 8 young and dynamic Staff members.

**Inaugural of English Department Association and Literary
Fest (LIT-FESTINO — 2K20)**

Inaugural of English Department Association and Literary Fest (LIT-FESTINO — 2K20) was conducted on 25th September 2019. Dr.T.V.S.Padmaja, Principal, Valliammal College for Women, Chennai was the chief guest for the occasion. The chief guest delivered an enlightening speech on the topic "The use of English language". Around 200 students from various colleges participated in the events such as Face painting , Craft making, Essay writing, Title connection, Literary quiz, Choreo narration, Rangoli and proverb hunt.

Inter - Department Annual competitions:

- D.M.Gokul and Govindaraj of III B.A ENGLISH LITERATURE won 2nd prize for Face painting at Sri Muthukumaracollege of arts and science.
- D.M.Gokul and K.Amarnath of III B.A English Literature won 2nd prize for Quiz at Ramakrishna Mission Vivekananda college.

- D.M.Gokul and Govindaraj of III B.A ENGLISH LITERATURE won 2nd prize for Face painting and Elocution at Pachaiyappa's College, Chennai
- D.M.Gokul and Govindaraj of III B.A ENGLISH LITERATURE won 1st prize for Face painting at Nazareth College of arts and science.
- M.Hariprasad of III B.A English Literature won prize for "Art for peace" state level drawing competition.
- P.Parasuram of II B.A English Literature won prize for "Art for peace" state level drawing competition.

Staff members credit :

- Dr. S.Hemalatha was awarded with a Doctoral degree (Ph.D) in SRM University on 9th January 2020.
- Ms. A.Banupriya and Dr.S.Hemalatha attended the Faculty workshop held at Chellammal College for women on 18/12/2019
- Ms. A.Banupriya and Dr.S.Hemalatha attended National level workshop on "Research writing" held at A.M.Jain College on 26/02/2020.
- Mr. N.Sathiyarajan presented a paper entitled "Multiculturalism and cultural identity in KhaledHossaini's The Kite Runner" and published in UGC CARE journal.
- Mr. N.Sathiyarajan presented a paper entitled "Manliness and Tyranny in Margaret Atwood's Hand maid's tale" and published in UGC CARE journal.
- Mr. N.Sathiyarajan presented a paper entitled "Significance of Catharsis in Yvonne veera's novel Butterfly burning" and published in UGC CARE journal.
- Mr.D.Gururaj published a paper entitled "Apartheid in Nadine GardimersThe House Gun" and in UGC CARE journal.

- Mr.R.Ranjith Kumar presented a paper entitled “ Influence of Family socio cultural values in marriage with reference to novel2 states” in VHNSS College, Virudhunagar and published in UGC CARE LIST journal.
- Mr.R.Ranjith Kumar published a paper entitled “ Darkside of corporate with reference to the novel One night at the call center” in UGC CARE LIST journal.
- Mr.J.AmayAmadeus published a paper entitled “Racial prejudice and gender bias in Afro-American aspects” and in UGC CARE journal.

Department of English conducted Parent — Teacher meeting on 22/02/020. During the meeting students attendance percentage, Examination results and disciplinary activities were discussed.

Future plans:

- The Department has planned and initiated to bring M.A English in the forth coming academic year.
- Further, we have planned to publish Research papers in UGC CARE LIST and SCOPUS indexed journals.





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Ü¬ñF,° lè¾< ÞjPð¬ñðÉ¶¶ òNðÉ´ Ý°<.

æíÉ™èÉŠHò~, î¶¶ð ÜPè~ ÜKvìÉ†®™ «ðÉj«øÉ~ Gð<, c~, æí¼Š¹,
èÉÿÁ, ðÉù< ÝAð ð...êîfèÀ< àðè^Fj Ü®Šð¬ìðÉè M÷f°A_jøù
ájøù~. ÜšðPMò™ æèÉœ¬è¬ò ðÿ¹Á^F àðAÿ° ÜPM~îð~èœ Cð~.
èM,,è,èóð~F è<ðÂ<.

Ìî< ä%¶¶<
MòfAð MèÉóŠðÉ†®j
«ðÁðÉ´ àÿø i,è<

ájøÉ~. à÷Mò™ «ðòPè~ C,ñ±† HóÉœ´ Üð~èœ Þòÿ¬èJì°<
ñóí^Fì°< ñóí^Fÿ°Š Hjð¼< G¬ðJì°< ñQîj æèÉ±î Ü,,êñ
òNðÉ†®ÿ° Ü®Šð¬ì, èÉóí< ájAøÉ~. “«èÉJ™ Þ™ðÉî áK™ °®J¼,è
«ò±îÉ<” ájø ðöªñÉN îlòè^F™ ðöfA ð¼ð¬î»< îÉ< ÜPA_j«øÉ<.

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êfè èÉð^F™ î¬ðõj e¶ èÉî™ æèÉ±î î¬ðMJj àì™ æñL%¶¶
ð¬÷ð™ æíA>%¶¶ èÉíŠð´< Þš«ðÁðÉ†¬ì ÜP%î îÉœ °îL«ðÉ~ °¼èj
«èÉJ½,°^ î¬ðM¬ò Ü¬ð¶¶,, æèjÁ æðPðÉ†´ á~¶¶, æèÉ±î
æèœF¬ò,

“Üó-ô ñ£-ô Á†®
ã°ÿø;Á þš Ü¿fè™ á«ó”

â;ø ÆiÖ~ Aø£K; ð£i™ øKèœ àí~¶A;øù.

¶í~øèèš ðùùù™

þ-øðÅ,° àJ~Š ðL þi™ þ;Á ñ†´ñ;Á, êfèè£ô^F½<
ï-í°ðÿÁœ÷¶ â;ð-í °Á%ø¶í£-èš ð£i™ á;Á ïñ,° àí~¶A;ø¶.
î-ðM-òš HK%¶ ¶ê;ø î-ðð; àKò è£ô^F™ øó£ñ™ è£ò< í£>¶<
«ð£¶ î-ðM H;ð¼ñ£Á ¹ò<¹Aø£œ.

“Mí~ °-è Ü´,è~¶ Mø~ªè¿ÁL,° ,
èìµ< Íí£< -è%øË™ ð£ð£<
¹œÀ< æó£< MK,,C»< G™ð£<
àœ÷½< àœ÷£< Ü;«ø «í£N!”

þšð£iL™ ¶-,è,°š ðLJi™ «ð†í£<, i™ GI~î< «è†è «ð†í£<,
MK,,C»< «è†è «ð†í£< àù^ î-ðM ÆÁðî; Íò< þ-øðNð£´ ðÿPò
Í;Á ¶êœFèœ þšð£iL™ þ;ð ¶ðÿÁœ÷-í í£< ÜPò °@A;ø¶. ðLJi,
Ãðò ¶êœF Üèí£ÜÿP½< þ;ð ¶ðÿÁœ÷¶.

“ø™ «ò ø¼è, ð-ó%øí í£œ àù
ï™ þ-ø ¶ñ™Mó™ ÆšH
þ™½-ø èì¾†° á,°¶< ðL«ò”

â;Á «í£N î-ðMJi< î-ðð; M-ó%ø¶ ð%ø¶ F¼ñí< ¶êœ¶ªè£œð£;
â;Á< í£< Mó™è-÷, °M~¶ ñ-ù»-ø^ ¶íœö^î ðíFAš ðL,è;í
¶ê½~¶«ð£< â;Á< ÆPS HK¾^¶ð-ó c,°Aø£œ.

èL™ ¶íœòkù

°-í»< êf° ð-÷-ð-ð»< î¼< èì-ðš ðóíð þù~¶š ¶ð†èœ
ðíFAù~ â;ø ¶êœF-ò Üèí£ÜÿÁš ð£i™ ÆÁAø¶.

“¹è>ñL CøšH; ¶è£ÿ-è °;¶-ø
ÜM~èF~ °~¶ñ£´ ðò<¹K ¶è£K%ø¶
î-ö ÜEš ¶ð£L%øí «è£´ ã%ø¶ Ü™°™
ð-òð~ ñèO~ ðQ^¶-øš ðóð”

«MöE äjÄ< Fø%oi ðEê™ ðN«òíEj i< iE†' ñ,è-÷ ÜP%o¶«èEœ÷

«MöE äjÄ< Fø%oi ðEê™ ðN«òíEj i< iE†' ñ,è-÷ ÜP%o¶«èEœ÷
 °®»»” äjAøE~ iEÄ~. èfè Þð,AðñEù ÜèiEÜYÏ™ î-ðM î-ðð-ùŠ
 HK%o¶ ð¼%o¶AjðEœ. ÜŠ«ðE¶ èE~F-è^ F¼MöEM-ù i<°i j «è~%o¶
 èE†iEiðEJÄ< Üð~ ð¼è àù¾< Ü¶ð-ó iEj ÝYÏJ¼Š«ðj äjÄ<
 î-ðM ÄÁðíEè Ü-ñ%oi ÜèiEÜYÁS ðEi™,

“ñ-ðèE™ cfAð ñE² M²<H™
 °Á°ð™ ñÁGø< A÷ó ñF G-ø%o¶
 ÜÁEj «èÄ< Üè™ Þ¼œ i´iEœ
 ñÁ°M÷, °Á~¶ ñE-ð É,AŠ
 ðöMø™ ÍÉ~Š ðð¼ìj ¶ðjPð
 Mø¾ìj Üòð ð¼èF™ Ü<ñ”

F¼,èE~F-è^ F¼MöE iEO™ ÞóM™ iFèO™ M÷,°èœ äYÏ -ð~¶
 ñE-ðè-÷^ èiE fèM†'Š ðð¼ìj èE†iE'< MöE äjÄ ÜèiEÜÁ
 M÷,°Aø¶.

«MöE äjÄ< Fø%oi ðEê™ ðN«òíEj i< iE†' ñ,è-÷ ÜP%o¶«èEœ÷

“°¼-ð ñø%oiE½< °ðèiEœ ðNðE' ñø «ð™”
 “°ðèiEœð-î, °<H†', °<iò®”

äjÄ ðNðE' ðYÏ iE†'Š¹Þ Þð,Aðfèœ «ð²Ajðù. «ñ½< iE†'Š¹Þ
 Þð,AðfèO™ ÞðY-è ðNðE', CÁèiEœ ðNðE', èð¼%øèiEœ ðNðE',
 «èEJ™ Ü-ñŠ¹, ðNðE†' °-ðèœ, F¼MöE,èœ «ðEjð èèEÈèœ ÜFèñEè
 Þì< èðYÁœ÷ù. ñQ~ ðE>M™ äYð'< Þjð ¶jðfèÄ,°< «iEœèiE®,°<
 èiEœfè-÷«ð ðNð†'^ î...èñ-ìAjðù~. Þ-ððÄ,°Š ð-ìð™èÄ<
 ðL»< Þ†'^ iEèOj «ð†'í™è-÷ G-ø«ðYÏ, èèEœAøE~èœ äjðE™
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 ðí f°ø¶ î-ìèðYÁ ð¼Aø¶ äjð-î iE< ÜP«ðE<. «ñ½< Þ-ððNðE'
 F¼MöE,èœ Íð«ñ àœ÷^FY° ñA>¾< àð¾,°è èEi~¹< äYð'Áø¶
 äjð¶ ðE¼< ñÁ,è °®ðEi à†-ñðE°<.



°-ùõ~ âv.M.Ü¼‡,
àiÿè™™M Pòÿ°r



Pòÿ-è-ò Ü®Šđ-ìò£è, àè£‡ì ađ¼Mö£ & ađ£fè™™ Mö£
1ó£í, è-í«ò P™ô£í ađ¼Mö£ & ađ£fè™™ Mö£
àí¾ è£œèPèœ àÿđ^F aêœ»< àöõ¼,°
ïiP aê£™™½< ađ¼Mö£ & ađ£fè™™ Mö£

đ„êKCJ™™ ađ£fèL+´, ñ‡ ñ£î£¾,°<, î‡a~ î£œ,°<
ÅKò èì¾À,°<, à-ö^î ñ£´èÀ,°<, àöõ¼,°<
ïiP aê£™™½< ađ¼Mö£ & ađ£fè™™ Mö£

đ£...ê£L êđí^F™™ đ£ófò£~ °PŠH´Aø£~
èì¾À,° ïiP aê£™™ô «õ‡´ñ£ù£™™
°ô aîœõ^Fÿ°Š ađ£fè™™ -õ»fèœ âiø£~

Åî£+ì^F™™ ê°Q ¶K«ò£îùÀ,° àîMòî£™™
aöÿPađÿø ¶K«ò£îùî ê°Q-òŠ đ£~^¶
àù,° ò£< ađ£fèL+´ CøŠ¹ aêœ«õî âiø£~
ađ£fè™™ âiø£«ô ïiP aê£™™½< õNđ£´ âiđ¶
đ£óf aê£™™½< Ý„êKòñ£ù aêœF.

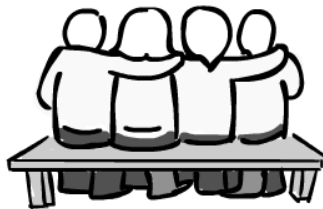




Dr. M.R. SELVARANI
Asst. Professor, Department of Economics

இத 1

இத^{1,0} ப⁰, èíñ£CE HCó£%₀ -îò£«ó
 âù¶ இத^{1,0} ப⁰, èí< âù¶
 ìþðè~«÷,
 ப', èþ è-÷õí£< இத¹ âù
 F¼õœÀõKi ÃŸÁŠð®
 இத«ð ìñ¶ ¶iðfè-÷^
 b~, è, Ã®ò¶
 இதHi ப⁰, èí^ -î, ÃÁ<að£¿¶
 G-ðè-÷ ñt' < ÃÁõ¶ Ü™ô,
 °-ðè-÷, è-÷õ¶< î£i!
 âù, è£è âi àø¾ àœ÷¶ âiø£½<
 âù, è£è â¼ ìþði àœ÷£i âið«î
 இத¹œ÷< Ý°<!



«æŸÿèOî ñùŠðö,è<



«æŸÿèOî ñùŠðö,è<
«æŸÿèOî ñùŠðö,è<

ÜjHÿAQò ñŸíð~èœ îfèOj P÷-ñŠ ð¼ð^F«ò«ò æŸÿèœ °P^î
å¼ æíO%oî è±«íŸí^Fÿ° G-ð^ðð P,,CÁ ðA~¾, èí^ó àí¾< âjÁ
î<^A«øŸ<. îŸ< Ü-ùð¼< ÜjðŸì< ðòjð^ŸAð æŸÿèœ âjð-ð îèð™
ðKñŸP,æŸœ÷Š ðòjð^< è¼M ñí^ñ™ð. PŠð@,, æŸ™ðíÿ° °¿oíÿ
èŸóí< âjÁ P¼,°añQ™ ÜŸ îí> añŸNJj æ<añŸNŠ ð±^è«÷ ÿ°<.

Pð,èí, Pð,Að, èŸóífèœ å¼^ð°< ÝðŸJó< ð¼î^ æŸ™Lò<
èŸjÁèœ å¼^ð°< P¼%oîŸ½< îlöKj ðŸ>Mò™ ð±ðŸí^ æíŸí^,,CJj
âjPð-ñòŸî îj-ñJ-ù °j-ð,Aj«øŸ<. Üè< ñÿÁ< ^ð< âjÁ
îlöKj ðŸ>Mò-ð ð°^î«íŸ^ Pj-ðò íiù àðèŠ «ðŸ,°èOj C,èðŸù
^œOèOL¼%oî< î<^ñ eí^í^,°< ÜPMò™ îðñŸù è¼^Fð-ð,
æŸ±@¼ŠðíŸè^ î¿<, îí>,, æŸÿèÀ<, ÜðÿPj æðŸ¼÷-í¾<
M÷f°Ajðù. «ð~,, æŸ™ Ýœ¾ åjðŸ Ü~^ífèÀ,°< îlö ðŸ>Mò½,°<
P¼,°< æíŸí^ðð æðO, æèŸ±^ð¼ðíŸè Ü-ñAjðŸ.

è¼^ŸŠ ðKñŸÿð^F™ æŸÿèœ ðòjð^îŠðíŸ½< Ü-ð °¿ °ÿP½<
P%oî, èí^Fj ðF¾< ðA~¾< ñí^ñjÁ. â^ŸŸ,èŸíŸè ñŸíð~èœ è™M
èÿPì, è™ÖK,° ð¼<æðŸ¿«íŸ Ü™ðŸ ÜfèŸèÀ,°,, æ™½< æðŸ¿«íŸ,
íí@™ P¼,°< æðKðð~èœ “ðŸ^ŸŠ«ðŸ”, “èðùñŸè,, æ™”, “ÁíŸù< î<H”
âjÁ æŸ™ðŸ æðÁñ«ù ðNðÁŠ^ðíŸèŸè ñí^ñjÁ. ðŸŸèŸŠ^ °P^î
å¼ C%oî-ù, WÿðŸùŸ ñŸíð~ «ñÿæŸœÀ< ÜŠðòí< °¿ðŸ< ÜðKj
ñùF™ G-ð^F¼,è «ð±^< âjð àí^ðŸF%oî èŸóí^Ÿ™ æŸ™ðŠð^ðŸ.
ÜðÿP™ Üè<, ^ð< Pó±^< ÜíŸ°<. “ðŸ,°,, æŸ^Ÿ™”, “Ýð<ðŸí™”
ñÿÁ< “æ...CùfÃð™” âjÁ< îñŸ ñó^< «ð,,Cj íðñŸù æŸÿè-÷
-ñíí@¼Šð-í ÜPððŸ<.

îfè÷¶ ÞÁF, è£ð^F™ Þ¼,° < °Fòð~èœ ï<-ñ ÝC~ðF,° <ªð£¿¶
ïÿªè£ÿè-÷,,ªè£™ð¶¶'. Ü-ð ð£>ªð;Á<ªï' < ððí^Fÿè£ùí£è
ï<ïì< M†',ªè™ð-ð. ð£>M; ã«í£ å¼ Þì^F™ Íî£-îJ; àîM
îñ,° «î-ðŠð'«ð£¶ G-ùML¼%¶ «ð¼îMò£è Ü-ñð¶ Ü,,ªè£ÿè÷£°<.
îI> °ï«ù£~èœ îñ,W%î Üè^bò£è è£ù™ ð®M™, ñ-ðªð£¼÷£è Ü-ð
Gè>A;øù. ÜPMò™ Þî-ù ñóðµ^ªí£ì~¹ â;Aø¶. í£ <ªí£;ñ< â;Á
CøŠH,A;«ø£<.

îlõ ð¶H™ lè Þò™H; c†Cò£è,,ªè£ÿèœ «ðèŠð'A;øù. èì%îè£ð<,
Gè>è£ð<, ð¼fè£ð< â;ø Í;Á G-ðèO½< Ü,,ªè£ÿèœ Þðf°A;øù.
Ü-ð ð¶I,èªè£ÿè÷£è¾< ñQîKî~¶ ñKð£-î °î;-ñò£è¾< Ü;¹
Þó¶í£ðí£è¾< Þ¼^FªðOŠð' <ªè£ÿè÷£è¾< M÷f°A;øù.

Cù^F™ à-ó^¶M†ì å¼ªè£™ í£fè£ñ™ àJ-ó ñ£œ^¶,ªè£¶ì
Gè>¾èÀ< î< ð£>í£œ °®»< ð-ó å¼ð¼,ªè£¼ð~ à-óð£®,ªè£œ÷£ñ™
-ðó£,Að^F™ Þ¼,° < ñQî~è-÷»< í£ <ï<-ìð ð£>M™ ÜP%F¼,A«ø£<.
'å¼ªè£™ªð™½< å¼ªè£™ªè£™½<' â;ø ðð,° ï<I-ì«ò Ýðñ£è
Þ¼Šð-î, °PŠHìð£<.

âQ™ lè G,,èðñ£è,,ªè£ÿèœ«÷£' Üè< âùŠð' < ñQî ñù<ªí£ì~¹
ªè£¶®¼Šð-î í£ <àÁFò£è, Åø °®»<. í£ <ªðOŠð'¶ªè£ÿèœ ï<-ñ
ï< ÝÀ-ñ-ò,,ªè£™½< HóFò£è Þ¼Šðíù£™ Üðÿ-ø lè, èðùñ£è,
-èð£Àî™ ÜðCò<.

èðùñ£èŠ «ðèŠð'ªè£ÿèœ-÷Mì lè Þò™ð£èªðOŠð'ªè£ÿèÀ,°
âŠ«ð£¶ < ñQîK-ì«ò ÜFè ðó«ðÿ' <, âF~Š' < à¶'. Ýè à-ó,èŠð'ðF™
èðù°< «ð¶' <, Þò™¹< «ð¶' < â;ø Þó¶' G-ðèÀ< Þ-í%î
î;-ñJ™ Þ¼%¶¶í£; îlõ~èÀ-ìð à-óð£ìL;ªè£ÿèœ Þ¼%¶ ð¼A;øù.

ªè£™½èªè£™-ðŠ HP«í£~ªè£™ Ü,,ªè£™-ð
ªð™½ªè£™ Þ;-ñ ÜP%¶

(ÜFè£ó:ªè£™ð;-ñ, °øœ: 645)

âĵĂ ÜŒèĵ F¼ðœÀð~ ÞĵĂĶ á¼ Ü® «ñŸªêĵĂ ĩŒĶ à¬ó,°Ķ
 ªêŒ™¬ô ªð™½Ķ ªêŒ™ Þ™ôŒF¼,è «ð‡´Ķ âĵAøŒ. ªêŒ™Lĵ
 ÞĵÞò¬ñòŒ¬ñ ðŸP«ò ÞĵĂĶ ĩŒĶ à¬óòŒ®, àĭ~%®Œ ªĭOò «ð‡®òŒŒ
 Þ¼,¬èJ™ «ðªø%ôĭ,, ªêŒ™ôŒF¼Ķ ªð™ôŠðĭŒF¼,°Ķ ªêŒ™¬ôŠ «ð²ðŒŒ
 âĵðŒŒ ñùŠðð,èĭŒ½Ķ ð‡ðŒŒ´, ĂóPðŒF¼Ķ àÁFòŒè, ¬èð¼Ķ âĵðĭ¬ù
 ñŒĭð~èœ ÜP%®ŒªèŒœ÷ «ð‡´Ķ.

ñùĶ èQ%ôĭ G¬ô, ÞšðŒMĵ Þĵð Œĵðfè¬÷,, Y~É,AŠ ðŒ~ĭ™,
 °,èŒôĬFĵ Gèĭ ĭĵ¬ñ, ÞĶ & ªðŒ¼œ & ãð™, W¬ñJL¼%®ŒĶ °ŸĂĶ ñŒÁðĭ
 ð‡ðĭª ªêŒŸèœ, ÜĂðð,, «èèóĶ, ĭĵ¬ñ¬ò»Ķ áO¬ò»Ķ ĭĶH,¬è¬ò»Ķ
 Cĵù...CPò Ü÷MôŒAAĶ ªðOŠð´ŒŒŒ™, ĭlöKĵ ªð¼¬ñè¬÷»Ķ ÞQ
 ð¼Ķ èŒôĬFĵ êŒĭ¬ù,, êŒĬFòfèOĵ êŒóñŒè àœ÷Œ~%®Œ A÷~%®ŒĶĶ
 ðŒ~ĭŒèœ âĵð¬ð ĩŒĶ Þò™ðŒè, èðùĬF™ ªèŒ‡´ ðJŸC ªêŒèò
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εί,έξϞεδξ÷~έœ (CA) ü£îè Û-ñŠ¹

ο-ùδ~ T. Δελφίξεί, Ph.D (Astro)., Ph.D., (Comp.Sc)
àîMŠ «δóξϞκδ~, èÉŠªδξP ÛPMò™ ¶-ø,
ªèξ.è%οîè£ι ì£»´ Ýìδ~ è™ÖK, Û†í£ìè~, ªêì-ù & 102.

ϞíÁγαó

εί,Αò™ èξ~%οί è™M-ò «í~%οªí´, °κ è™ÖK ñ£ìδ~èO™ ªδ¼δξ«ò£ó¶
èù¾ δ†ìδ εί,έξϞεδξ÷ó£è Ýδ«í Ý°κ. Ûδ~èO™ ª¼ Cδ~ ñ†´«ñ ífè÷¶
ò†CòŠ δòίF™ ªδÝP ªδÁAìøù. Ûδ~è-÷, «è£FìMò™ gFò£è °ìù«ó
Pùfè†´ δNíí~¶δî; Íδκ èοί£δ~F™ ñÁñδ~,C-ò ªÝδ~í °®»κ
ªìδ«í εί,έξϞεδξ÷~έœ (CA) ü£îè Û-ñŠ¹ ªìÁκ P,è†´-òJì «í£.èñ£°κ.
P F™ εί,έξϞεδξ÷~έœ δÝPò íèδ™èœ, G¹í~¶δκ, G¹í~¶δFì δ~èèœ,
ÝÀ-ñ~Føì G¹í~èÀκ ÝÀ-ñŠ δ†¹èÀκ, ªèδ¾ εί,έξ÷~, GÁδù
ªèòδξ÷, δ†ìδ εί,έξϞεδξ÷, δ†ìδ, εί,έξ÷~έœ «í£ìPò δóδ£Á, δ†ìδ
εί,έξϞεδξ÷~έœ ñÝÁκ G¹í~èÀ,è£ù í°Fèœ, δ†ìδ εί,έξϞεδξ÷~ «í¾
ο-ø, ªδξ¶, εί,έξϞε¾, ªœεί,έξϞε¾, ªδO,εί,έξϞε¾, δ†ìδ εί,έξϞεδξ÷~è,
δEJ™ ªœ÷ δ™«òÁ G-òèœ ª~¶-ò,èŠδì ªœ÷ù.

Ϟíí~¶δκ

G¹í~¶δκ ªìδ¶ ª¼δó¶ í°F ñÝÁκ Fø-ñ Û®Šδ-ìJ™ ÍìÁ δ-èδ£ù
Û÷¾«è£™ δ£Jδ£è Ýó£δòŠδ´Aìøù.

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Føì (Planing Skill) Ý°κ.

Ϟí¾ (Knowledge)

íQìδó¶ ÛP¾, ª¼ ¶-ø èξ~%οί ÛP¾, ÛÁδδ Û®Šδ-ìJ™ ªíK%οί
ªèœFJì Û÷¾ ñÝÁκ ¶-ø èξ~%οί è™MJ™ «í~,C οίLòδÝ-ø ªœ÷ì,Αòί£è,
è¼íŠδ´Aìøù. PíÝ°, «è£FìMò™ gFò£è °¼ è£óè, «è£÷£Aìø¶.

Ϟíøñ (Skills)

èÝδδÝ-ø ,†δñ£è ªδOŠδ~¶κ Føì, íQ~Føì, ªèδ™δ~¶κ Føì
«δ£ìø-ò Fø-ñ ªùŠδ´Aìø¶. PíÝ°Š¹ì è£óè, «è£÷£Aìø¶.

ñùŠδ£f° (Attitude)

íQ ìδó¶ ñùŠδ£f°, íìùκH,-è, ªδÝP-ò «í£,Αò Mì£òδÝCèœ
«δ£ìøδÝ-ø ªœ÷ì,Αò¶ ñùŠδ£f° ªùŠδ´Aìø¶. ÁKòì PíÝ°, è£óè,
«è£÷£Aìø¶.

ᑦᑎᑦᑎᑦᑎᑦ ᑎᑦᑎᑦᑎᑦ (Planning Skill)

á¼ °P,«é£¬÷ °®¾ áêœĲ Ĥĵ ù~ ÜĲ-ù Ĝ¬ø«öŸPù£™ áŸðˆĳ ĲĲ-Ĳ, Ĳ-ĲĲ-÷ Ÿó£œ%ŵ ÜF™ àœ÷ Ĳ-ĲĲ-÷ Ÿó£œ%ŵ ÜöŸ¬ø ÜêŸÁðŵ öŸP C%ŵFĲĲ½, °F ĲĲĲĳ ĲøĲ áĲÁ áððˆ. 1ĲĲ ĲĲŸ°, è£óè, «è£÷£ÁĲøŵ.

ᑎᑦᑎᑦᑎᑦᑎᑦ ᑎᑦᑎᑦᑎᑦ

ö™½Ĳ~ (Specialist), Ĝ1Ĳ~ (Expert)

ö™½Ĳ~ (Specialist)

Ĳèö™ áĲ£N™, †ð ĤK¬ð,, ê£~%öĲ~èœ, ÜPMð™ ÜPè~èœ, ö™½Ĳ~ °Ĵ¬ð,, ê£~%öĲ~èœ, ĲFŠđĲĲ÷~èœ, áð£PJð™ ĲĲ¬ð¬ð,, ê£~%öĲ~èœ àœŒĲĲö~èœ ĲĲŸ°, ê£Ĳø£è, è¼áŠðˆÁĲøù. 1ĲQĲ ŸF,èĳ áðŸð ê£Ĳè~èœ÷ ö™½Ĳ~è÷£ÁĲøù.

ᑎᑦᑎᑦᑎᑦ (Expert)

á¼ Ĳ¬ð,, ê£~%öĲ~èœ äò~è™M ĲŸÁĳ Ÿó£œ„C, è™MJ™ «Ĳ„C áðŸÁ Ü¬Ĳ¬ðJ™ Cð%ŵM ÷ f°öŵ Ĝ1Ĳ~ĲĲðĳ àùŠðˆÁĲøŵ.

ö~Ĳèĳ, áð£¼÷£Ĳ£óĳ, èĲĲĳ ê£~%öĲ~èœ Ĳ¬ðèö™ Ĝ1Ĳ~è÷£èŠ ðĲĲ èĲ,è£œöŸ÷~èœ ÁðŠðˆÁĲøù. 1ĲÁĳ, °¼¾ĳ ð½ŠáðŸP¼%öĲ~èœ Ü,,ê£Ĳè~èœ Ĝ1Ĳ~è÷£è ÜPðŠðˆÁð£~èœ.

ŸŸᑎᑦᑎᑦᑎᑦᑎᑦᑎᑦ (Personality)

Ĳ£Ĳö~èœ, Ĳ¬÷è~èœ, áð‡èœ, à¬ð,°ĳ Ĳ,èœ àù Ü¬ùö¼ĳ ĲĲùĳĤ,¬è»ĲĲ ĲĲ¬ùĲ Ĳ£«ù Ĝ~ðÁĲ, áè£œ÷ ŸÁ¬ĲŠ ð‡1 °,ÁðĲ£ùĲ°ĳ. Ĳ¬ĲĲĲŵ °ðŸC áèœĲĲ ĲĲĲĲĲ, °P,«è£ö™ áðŸPáðð ĲĲùĳĤ,¬è ÜöCðĲ°ĳ. «è£FĲMð™ ĝFð£èĲ ĲĲùĳĤ,¬è,° Ĳð,Áù ð£ð¬Ĳ»ĳ, ÁKð¬ù»ĳ °PŠĤÁĲøù.

ö™ «öÁ ĲóŠðĲĲ áèœFè¬÷, «èèKĲĳ, àŸÁ«Ĳ£,Á»ĳ, á¼fÁ¬ĲĲĳ °®áðˆĲ½,° ŸÁ¬ĲĲFøĲ áĲÁ áððˆ. ŸÁ¬ĲĲFøĲ W,è‡Ĳ äèö™ð£ˆè¬÷ àœ÷Ĳ,ÁðĲè, è¼áŠðˆÁĲøù. Ü¬ðð£ðù, ‡ĲĲ¾, «ĲŸðĳ, FøĲèœ, Ĳð‡Cðfèœ, ĲFŠ¹èœ, áĲ¾èœ ĲŸÁĳ è‡ˆŠð£ˆèœ Ÿ°ĳ.

ᑎᑦᑎᑦᑎᑦᑎᑦ ᑎᑦᑎᑦᑎᑦ ᑎᑦᑎᑦᑎᑦ

ĲQĲö™ Ĝ1Ĳó£è «ð‡ˆĳ áQ™, ÜöKĲ ŸÁ¬ĲŠ ð‡1 ĲŸðö~è¬÷MĲ «ĲĳĲĲĲè Ĳ¼,è «ð‡®ðŵ ÜöCðĳ àù Ÿœ¾ °®¾èœ ÁÁÁĲøù. ŸÁ¬ĲŠ ð‡1èœ öŸP ö™ «öÁ ö¬èð£è à÷Mð™ Ÿó£œ„Cè£÷~èœ ö¬óðÁ,ÁĲøù. Üèó£Fèö™ ŸÁ¬ĲŠ ð‡1èœ öŸPð áè£Ÿèœ 20 ŸJóĳ ö¬ó Ĳ¼ŠðĲè ĲðŠðˆÁĲøù.

Ĝ1ĲKĲ ŸÁ¬ĲŠ ð‡ð£ùŵ Üö¬ó ĤøKĲ¼%ŵĲĲ ĲQĲĲ, è£‡ˆĳ. ð‡ð£ˆ, Ĳùĳ, Áö™ ĲöŸ¬ø Ü®Šð¬ðð£è, áè£‡ˆĳ, ŸÁ¬ĲŠ ð‡1èœ Ü¬ĲðĲĲè Ÿœ¾

°®¼èœ ĀĀĀĵøù. ÝÀ¬ñŠ ð± ĩðĵèOĵ °Šð¬î%ŋ ĀĀè¬÷ à÷Mò™ ÜPē¬èœ îfèOĵ ÝœM™ è†ĪP%ŋœ÷ù. ÜðŸP™ ðĵQó± ĀĀèœ ñ†«ñ ĩ¬î°¬øJ™ ðòĵð’ðĪè ÜPòŠð’Āĵøù. Ü¬ððŁøù °ðOŠð¬ìðŁøñ ñÝĀĸ àœ÷Ī,Āðð, ñù¬FðĀ¬ìðð ñÝĀĸ ñù¬Fðĵ °¬ððŁ’œ÷ð. àĀFðŁÜ àĪðŁŸð™ ñÝĀĸ àĀFðŸð àĪ¼¬ìðð, ÜFèŁóĸ °èœðð ñÝĀĸ ÜĵfĀ,, °ê™ðð, ñĀ,,CðŁÜð ñÝĀĸ ð¼Ī¬ŋĵĵ ěĪİŠð’ðð, «ĪKò™ ð± ñÝĀĸ àF¬ñ¬øŠ ð±, ŋEðŁ÷ ñÝĀĸ ŋEðŸðð, ñù°F,,CðŁ÷¬èœ ñÝĀĸ CÁHœ¬÷Īùĸ à¬ìðð¬èœ, ð±ð†ĵ ñùĸ èĪè àĪ¼ ð±ðĪĪ¬ñ, ĪĸðèĪĵ¬ñ ñÝĀĸ ĪĸH,¬èJĵ¬ñ, ðö,èñĪè °èð™ðŁ’ ñÝĀĸ àF¬ðŁ,èĪĪ °èð™ðŁ’, «ñĸð†ĵð ñÝĀĸ ĪŁ%ŋĪð «ðŁĵð¬ð Ý».

ĞĀðù ěèèèĞĀŋĪ (Cost Accountant)

°èð¼ èĪ,°, GF «ñðŁ†¬ñ °ĪĪĪðŁÜ ĩ¬î°¬øè¬÷, ¬èðŁĀĀĵøŁ. PĪŸ°Š ĪĪĀĸ, °¼¼ĸ èŁóè, «èŁ÷ĪĀĵøù.

ĞĀðù ěèèèĞĀŋĪ (Company Secretary)

GĀðù °èððè ĩ¬î°¬øèœ, GĀðù,, è†Īfèœ °ĪĪĪðŁÜ Ü½ð™è¬÷, ¬èðŁĀĀĵøŁ. PĪŸ°, ĀKòĵ, Īĵĵ ñÝĀĸ °¼ ĀĀò «èŁœèœ èŁóèĪĪðĸ °ðĀĀĵøù.

ðĵĵ ěèèèĞĀŋĪ (Chartered Accountant)

P%FòŁM™ àð ðĪMè÷Īè G¬ðŁè¬FŸ° (IAS), èŁð™ŋ¬ð,° (IPS) àù P¼Šðŋ «ðŁð è†ĪŠðð ðóĪñK,èŠð’ èĪ,°è¬÷ Ýœ¼ °èœð ÜóèĪfèĪĪ™ «Ī¼ °èœðŠð’ ĩð¬èœ ð†ĵð èĪ,èŁœœðŁ÷¬èœ àĵð¬ð,èŠð’Āĵøù. ð¼ñĪùðK, ñ¬ðèðK, GĀðù,, è†Īĸ, ĪE,¬è, GF, «ñðŁ†¬ñ àœO†ĵ ŋ¬ðèO™ àœ÷ èĪ,èŁœœ¼è¬÷ P%ŋĪ ð†ĵð, èĪ,èŁœœðŁ÷¬èœ «ñŸ°èŁœĀĵøù. PĪŸ°, ĀKòĵ, Īĵĵ, °¼ ñÝĀĸ PóŁ° ĀĀò «èŁœèœ èŁóèĪĪðĸ °ðĀĀĵøù.

ðĵĵ ěèèèĞĀŋĪ ěèĪĞĀ ðóðĞĀ

P%FòŁM™ A.H.1857 Ýĸ Ý±®™ °ĪL™ GĀðù,, è†Īĸ PðŸðŠð†ĵĵ. ÜĪĵ Hĵù A.H. 1866 Ýĸ Ý±®™ ðóĪñK,èŠð†ĵ èĪ,°è¬÷ èĪ,èŁœœ¼ °èœð è†Īĸ ÜP°èŠð’ĪŠð†ĵĵ. PĪĵð® èĪ,èŁœœ¼ °èœð °¬ððŁÜ Ī°F ðŁœ%ŋĪ èĪ,èŁœœðŁ÷¬èœ «Ī¬ðŠð†ĵù.

A.H. 1913 Ýĸ Ý±®™ PðŸðŠð†ĵĵ ĪFò P%Fò GĀðù,, è†Īĸ, °Ī™ °¬ððŁè à¼ GĀðùĸ °PŠH†ĵ èĪ,° ã’è¬÷ àĵF ðóĪñK,è «ð±ĸ àĵĀ ðL»Ā¬Fðĵ. P%ŋĪ èĪ,° ã’è¬÷ èĪ,èŁœœ¼ °èœð °PŠH†ĵ Ī°F»¬ìð à¼ð¬ó èĪ,èŁœœðŁ÷¬èœ ðEJ™ Üñ¬Ī «ð±ĸ àĵĀĸ ÜP¼Ā¬Fðĵ. èĪ,èŁœœðŁ÷¬èœ ðEðŁŸð ñĪèĪĪ ÜóCĪ¼%ŋĪ è†ŠðŁ†’,°†ð†ĵ èĪ,èŁœœðŁ÷¬ èĪĵPĪ¬ðŠ °ðð «ð±ĸ àĵĀĸ ðL»Ā¬Fðĵ.

A.H. 1918 Ý< Ý†®™ ḍḍLJ™ ÍjØƧ†´ èŁò ÜóCj èí, Aò™ ḍ†iò, (Government Diploma in Accounting) è™M «íŁŸÁM, èŠḍ†iŋ. ÍjØƧ†´ è™M MòƧ†´ °®~†Hj ṽiàḍÁ< «ĩ™™ «ĩ™, C ḍŸØ ñŁiõ~èœ èí, èŁŸœḍŁ÷¼, °^ †°F ḍŸØù~. A.H. 1927 Ý< Ý†®™ ḍēj~ùJ™ èí, èŁŸœḍŁ÷~èOj Á†´ḍ¼ èfè< «íŁŸÁM, èŠḍ†iŋ.

A.H. 1930 Ý< Ý†®™ èí, èŁ÷~ ḍF«ḍ´ àj~Ø Û~ñ, è P%Fò Üó² °®¼ ḍœœŋ. P%oi ḍF«ḍ†®™ Pì< ḍŸØ ïḍ~èœ ḍF¼ḍŸØ èí, èŁ÷~ àjÁ Û~ḍ, èŠḍ†iù~. Hjù~ P%Fò ÜóCŸ° èí, Aò™ ñŸÁ< èí, èŁŸœḍŁ÷~ ḍḍ «ḍ†®ò †°Fèœ ḍŸ ḍK%ŋ~ó, è P%Fò èí, Aò™ ḍŁKò< àjØ Û~ñŠ¹ à¼ḍŁ, èŠḍ†iŋ. àQÁ< èí, Aò™ŋ~Ø èKòŁè °~ḍŠḍ´†Šḍim™~ḍ àjØ è¼^ŋ ḍḍŁŋ, èOì< ḍóḍḍŁè, èŁiŠḍ†iù.

A.H. 1932 Ý< Ý†®™ °ŋ™ èí, Aò™ ḍŁKò< «íŁŸÁM, èŠḍ†iŋ. ḍŁKò èḍ~ù~ ḍuúó™ Ûḍ~èOj «ñŸḍŁ~ḍJ™ èí, èŁŸœḍŁ÷~èOj †°F ñŸÁ< «ĩ¾ «ḍŁjḍŸPŸèŁè Û~ñ, èŠḍ†iŋ. A.H. 1933 Ý< Ý†®™ P%Fò èí, Aò™ ḍŁKò~ŋ™ «ĩ¾ ïĩŠḍ†iŋ. A.H. 1943 Ý< Ý†®™ ÍjØƧ†´ èŁò ÜóCj èí, Aò™ ḍ†iò, è™M GÁ~†Šḍ†iŋ.

A.H. 1948 Ý< Ý†®™ èí, Aò™ ŋ~Ø~ḍ °~ḍŠḍ´† èí, èŁ÷~è~÷, ḍèŁ†´ †jùŁ†C ḍŸØ Û~ñŠ¹ àj~Ø Û~ñ, è «ḍ†´< àjÁ ḍ™½ù~ °_ àjÁ ḍK%ŋ~ó ḍœœŋ. Ûĩḍ®, ḍ†iò, èí, èPè~èœ è†ì< A.H. 1949 Ý< Ý†®™ G~Ø«ḍŸḍŠḍ†iŋ. àQÁ< èí, Aò™ŋ~Ø èKòŁè °~ḍŠḍ´†Šḍim™~ḍ. P%Fò ḍ†iò, èí, èPè~èœ ḍḍ¼<ḍŁ½< Cḍ °PŠH†ì àḍ~ èíè^Fù~è÷Èè«ḍ P¼%oiù~.

P%Fò ḍ†iò èí, èPè~èœ èḍè< (Institute of Chartered Accountants of India - ICAI), ḍ†iò èí, èPè~èœ è†ì< 1949 Pjḍ® èí, °Š ḍFMò™ ḍŋŁN~ḍ ḍ_ f°ḍ~†F ḍN ïĩ~ŋ< «íŁ, °j GÁḍŠḍ†iŋ. P, èḍè< àḍè Û~MḍŁù ÛfWèŁó~†Š ḍŸØ GÁḍùñŁ<. P%Fò ÜóèŁfè^Fj Pì ḍŋ, W´ ḍèŁœ~èè÷Ł™ ḍŁF, èŠḍ†ì èíè^F™ ḍœ÷ Fḍ~ñḍŁùḍ~ÈÀ, °Š ḍ†iò, èí, èPè~ èḍè< †™ḍ ḍŁŸēŠH~ù ÛO, AjØŋ. P%Fò ḍ†iò, èí, èPè~èœ èḍè< P%FòŁM™ èí, Aò™ ñŸÁ< èí, èŁŸœ¾ «èŁ†ḍŁ´è~÷ ḍ°, è ÛFèŁó< ḍŸØ ḍ«ó Û~ñŠḍŁ<.

P%Fò ḍ†iò, èí, èPè~èœ èḍè< Û~ñ, èŠḍ´ḍĩŸ° °j ḍö, A™ P¼%oi ḍF¼ ḍŸØ èí, èŁ÷~ àjØ ḍèŁ™ ḍö, A™ P¼%oi c, èŠḍ†´, ḍ†iò èí, èŁŸœḍŁ÷~ àjḍŋ ḍö, AŸ° ḍ%oiŋ. èEĩ^F™ Ý~ḍ°œ÷ḍ~èœ ḍŠiò èí, èŁŸœḍŁ÷~ (Chartered Accountant) ÝḍiŸ°^ †fè~÷^ ïḍŁ~ḍ^F, ḍèŁœAjØù~. ḍ†iò èí, èŁŸœḍŁ÷~ ḍE, °^ «ĩ¾ ḍ_ŋ< ñŁiõ~èœ ḍḍ Pḍ†è^F™ P¼%oiŁ½< Cḍ«ó «ĩ™, C ḍḍÁ< G~ḍ †Ÿ«ḍŁŋ ḍœ÷ŋ.

ḍ†iòḍ èíèè~èœ èḍè< ÝḍiŸḍù< ḍēŋ Mfèḍè

MF ḍ† & 1: ÁKòj 1, 5, 10 Ý< ḍŁḍfèÀ«ùŁ, è%Fój GjØ PóŁC»ì«ùŁ ḍŋĩ~¹ ḍŸP¼^†™.

MF â± & 2: 1î; 1, 5, 10 Ý< ðÉðfèÀì«ùÉ, ê%Fó; G;ø ÞóÉC»ì«ùÉ
áíÉì~¹ ºðÿP¼¹™.

MF â± & 3: 5, 10 Ý< ðÉð Ü™ð¶ ðÉðÉFðF Þð,Aù~¶ì«ùÉ Ü™ð¶
ê%Fó; G;ø ÞóÉC»ì«ùÉ áíÉì~¹ ºðÿP¼¹™.

àíÉì~¹ êíÉè: Hð¶ð «ÉÉì 11.09.1972, Hð¶ð «Éí: Éí: 1974, 1935, Hð¶ð áíÉì:
ñþìñÉÉ

ÞóÉC & ¶ðÉ:

ííéFók & ºðÉF 2

HðŠ¹ íêÉ: óÉ° 12 ð¼ì< 10 ñÉí< 24 íÉíèè

ííŠ¹ íêÉ: êQ 07.08.2001 °í™ 06.08.2020 ð-ó

MF 1 Þ;ð® ÁKð; 5Ý< ÜFðFðÉÉC Þì< ºðÿÁ 5Ý< ðÉð^F«ð«ò ÝíC
ºðÿðñ~%¶æ÷¶.

MF 2 Þ;ð® 3 ñÿÁ< 6Ý< ÜFðF 1î; 5Ý< ðÉð^F™ íí¹ G-òJ™
Üñ~%¶æ÷¶.

MF 3 Þ;ð® Þð,Aù< ñÿÁ< 8 Ý< ÝFð^Fð< ºðÿð ºéšðÉÉ 5Ý< ðÉð^F™
Üñ~%¶æ÷¶.

ðéíðéðí ðíññ

ÁKð; ñÿÁ< °¼ ÝíC ºðÿÁ òL-ñ»ì; àæ÷¶.

óÉ° 5Ý< ðÉðÉFðFðÉÉ ÁKðQ; ðÉíéÉó< ºðÿÁæ÷¶.

°¼, «è¶M; éÉó< ºðÿÁæ÷¶.

êQ 1, 8 Ý< ÝFð^Fð< ºðÿð ºéšðÉJÁ-ìð ðÉíéÉó< ºðÿÁæ÷¶.

Þ,,éÉíè~ íQ~í;~ñ»ì; ð™ «ðÁ GÁðùfèÀ,°, è ¶, èÉÉðÉ÷óÉèŠ
ðE¹KA;ðÉ~.

Éí: 1974

è™ÖK ñÉíð~èÀ,° áííÿð ðÉÉÉŠ¹èè èÉ~¶,Áì,A;ðù. ÜðÿÁè
á;Á ðíð èí,èÉ÷~ ÝðíÉ<. ðíð èí,èÉ÷~ «íM™ á¼ð~ «í,,C ºðÿÁ
GÁðù^F™ áÁŠHùóÉèŠ ðF¾ ºéÉ¶ ºéÉíÉ½<, Üð~èO; è™M^ «í-ðèè
°¿-ñð-ìðF™-ð. ášºðÉ¼ ñÉí°< áÁŠHù~èÀ,°, ºðÿC °-ðJ™ ð°Š¹èè
íí~íŠð^A;ðù. Ý±®ÿ°, °-ð%í¶ 30 ñÉ «íó< Üšð°ŠH™ èð%¶æ÷
«ð±®»æ÷¶. °PŠHí Ü÷MðÉú ¹èOèè ñFŠºð±è÷Éè, ºéÉ',èŠð^A;ðù.
ášºðÉ¼ Ý±< íÉ,è™ ºéÉððŠð< íÉí®; GF G-ò ÜP,-èèè ñÿÁ< òKèO™
áÿð< ñÉÿðfè-÷, Æ~%¶ èðQ~¶ ÜðÿP™ áÿð< ñÉÿðfè-÷ íðÉ~ð^F,
ºéÉè÷ «ð±®ð¶ ÜðCð<. ºðÿ«ðÉ~èè ífèè °ð%-íèO; áF~èÉð~í
«èÉFíMð™ gFðÉè ÜP%¶ Üð~è-÷ íðÉ~ð^FùÉ™ ð¼fèÉð< CðŠðÉúíÉè
Ü-ñ»<. ñÉíð~èÀ< ífè÷¶ áF~èÉð Ü-ñŠH-ù~ áíK%¶ ºéÉí±' ºð™ ðíÉ™
Üð~èÀ,° áOñðñÉú ðÉ>,-è Ü-ñ»<.

Maths Quotes

"Obvious is the most dangerous word in Mathematics"

"Pure Mathematicians just love to try unsolved problems. They love a Challenge"

"Mathematics is not about numbers, Equations, Computations or Algorithms: It is about understanding"

"Life is good for only two things, discovering mathematics and teaching Mathematics"

"Mathematics is the language with which God created the Universe"

"The only way to learn Mathematics is to do Mathematics"

"Mathematics reveals its secrets only to those who approach it with pure love for its won beauty"

- G. Yuvaraj
B.Sc., Maths 2nd Year

èM¬î

è™ÖK âiÂ< «î£†î^F™
ð£ê< âiÂ< Ì,è÷£œ Ì^¶
ð®Š¹ âiÂ< èù¬õ ¢ðŸÁ
ðîM âiÂ< ²è^¬î Ü¬ò
ï£< â™ô£¼< âšªõ£¼õó£œ
HK%¶ aê™A«ø£<!

P. Ajith
B.Sc., Chemistry, 3rd Year

FUNDAMENTAL PHYSICS USED IN FORENCICS

Forensic sciences deal with the application of scientific knowledge to legal problems and are vital tools for unearthing the truth in any legal proceeding. In some subareas of forensic science, for example, physical sciences and various engineering disciplines, including mechanical, electrical, and chemical engineering, and fire science, are also involved in forensic investigations, often in civil cases, but also in criminal investigations. Reconstruction of crime scene is a vital application of Physics in forensic science as the cases are belongs to accidents, suicide or homicide, fall of a body from height, projectile motion of a firearm, glass penetration of speedy stone, bullet or tool case be analyzed using physics. But very few scientists is agreed and known that how the forensic scientist makes use of physical sciences in his regular investigation of evidences.

Physics division and its classification dealing the forensic science in India

A recent innovation in some physics departments is the introduction of courses on forensic physics. In the Physical sciences for forensic person the topics of interest include road accidents analysis, firearm and bullets profile analysis, fire, arson and explosion investigation, materials identification (fake jewellery etc.) and software-based imaging methods for facial

reconstruction etc. Another topic that could be used to illustrate a forensic application of Newton's laws, momentum conservations laws and blood pattern analysis using trigonometry and the physics of falls from a height involving serious injury or death. These all, motivates to an educator to work on the Physics with new forensic applications. In India. Physics Division in State FSLs and Central FSLs mainly deals with all types of cases, beginning from reconstruction of crime scene, trace evidences analysis to voice examinations. One can easily determine the classification of Physical sciences branches in forensic sciences those who are working in the field of forensic science, but those are aspirant to develop their carrier in the field of forensic sciences must go through this article, it will help his/her to plan their carrier in the Physics within forensic science. Mainly physics can be categories in the five fields as shown in the Figure 1. These categories are General Physics (General and Forensic Engg. Physics), Reconstruction of CS, Forensic Accident Analysis, Material Science, Analog and Digital Electronics.

General physics

Starting with the laws of motion which generally covered in engineering studies and as well in courses in physics, dynamics, or kinematics. General Physics in forensic science

involves electrical, mechanical, chemical, and laboratory analysis as well as mathematical formulations based on recognized principles of fundamental physics. The fundamental physics like conservation law of momentum, collision. Newton's law of motions are having a great and vital application in reconstruction of scene of crime. All the fundamental laws of Physics are very much helpful to analyze the evidence as well and draw any conclusion.

Forensic engineering and building material analysis

Forensic engineers and building material lab analyze why things fail. In physical science and engineering while manufacturing faulty toaster that electrocute people, to buildings, over bridges and river bridges that collapse, and many people died due the incident of faulty construction or faulty manufacturing. The best example for the forensic engineering is the September 11 attacks on the world trade center and the Pentagon, which assisted greatly to the forensic science in the analysis and reconstructed the scene of occurrence. Forensic engineers is also useful to reconstruct road accidents, electric fire etc. On the basis of tire skid marks, damage on the collided vehicles and surrounding scenario and physical evidences by using the law of physics forensic expert may easily determine path, direction, speed, and the type of collision that occurred or what might happen.

Specialized reconstruction of cs and accident analysis

Reconstruction of crime scene involves train accidents, suicides / homicides; accidents reconstructions and dead body when fall from height. On the grounds of skid marks analysis, yaw marks analysis, break pattern and other parameters observed at road accident help to reconstruct the scene of occurrence. Similarly, in dead body fall from height may be calculated on basis of fundamental physics.

Material science

Materials science is a relatively new discipline which emerged in the 1960's to provide a comprehensive view and approach to the study of materials using solid state physics. quantum chemistry and metallurgy. It has a wide range of application forensic sciences too using interaction of radiation with matter like X-rays and Gamma-rays. Using the phenomenon of X-rays based non- destructive techniques like XRD, XRF, ED-XRF and SEM became useful instrument those are widely used in the forensic science laboratory. Recent work has shown that materials science can make a substantial and growing contribution to criminalistics. As a result, forensic materials science may become a field of its own in the future in last two decades. Material science has a vital role in analysis of the minute evidences collected from the scene of occurrences with the help of analytical techniques.

Analog and digital electronics

The electronic is purely subject of physics; analog electronic is useful for cases belong to fire and arson, sometime explosive material cases. The electronics devices used to commit crime are come is this category. Analog advance physics comes with subcategories as digital electronic in these categories, the entire computer-based crime and mobile those have internal memories are coming within this range.

Ballistic evidence

Another important use of physical sciences in the field of the ballistic, which is purely deal with firearms, bullets and ammunition. Ballistic division are work separately in Indian forensic science laboratory at State and central level. The evidences related to ammunition or firearms can sometimes be used to determine the trajectory of a bullet and its potential impact on the item it strikes, whether it be a person or an object with help of fundamental physics. Sometime in the reconstruction of firearms incident, projectile motion and trajectory motion analysis is very useful. The Forensic scientists deal with ballistics need to understand how force and trajectory impact an object that is struck which is also an application of fundamental physics. In the firearms analysis the GSR study has a great value, which can be analyzed using established chemical testing kits or non-destructive techniques like EDX and SEM, determine the exact results. The velocity measuring

instrument for gun chronograph works on the sound waves.

Discussion

The advancement in the field of forensic sciences, the application of physics is well established and growing day by day research and development. In this context forensic scientists those are working in the field which need specialized knowledge in physics to analyze the items of physical evidences into reports and testimonies in the court of law. Knowledge of analysis of the evidence is required in physics as an important and fundamental subject to be studied to the forensic students. So that, in part, sets the limits of its interpretation within the physics laws and applications. An academic base is required for forensic science to mature as a science and profession. We as forensic community should recommend that the Physics as basic subject for forensic university and forensic department to teach the student, those are non-physics background. The "formal" aspect of academic education is required, however, can run afoul of those who see the formalities as being at least as and sometimes more important than the knowledge itself. Formal education can also fall prey to overvaluing immediately useable, but 'practical' knowledge, and underrate the importance of fundamentals, and of wisdom altogether is made a proper forensic scientist.

- G.CHANDRASEKAR
B.Sc., PHYSICS

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