



# T.J.S ENGINEERING COLLEGE

Approved by AICTE, New Delhi & Affiliated with Anna University, Chennai.

Accredited by NAAC/ISO9001:2015 Certified Institution

TJS Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District -601206



<b>6.1.2 – QIM</b>	<b>The effective leadership is visible in various institutional practices such as decentralization and participative management.</b>
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## 6.1.2.3-Academic Calendar 2021-22



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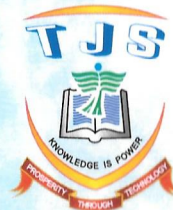
T.J.S. Nagar, Peruvoyal, Near Kavaraipettai,  
Gummidipoondi Taluk, Thiruvallur District - 601 206.

Phone : 044 2796 7604, 2796 7606

Mobile : 97888 77774, Fax : 044 2796 7605

E-mail : [tjsivanandam@ymail.com](mailto:tjsivanandam@ymail.com) / [tjsivanandam@gmail.com](mailto:tjsivanandam@gmail.com)

Web : [www.tjsec.in](http://www.tjsec.in)



# T.J.S. ENGINEERING COLLEGE

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Accredited by NAAC / ISO 9001:2015 Certified

College Code  
1241

## ACADEMIC CALENDAR 2021 - 2022



# T.J.S. ENGINEERING COLLEGE

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**COLLEGE ADDRESS :** T.J.S. ENGINEERING COLLEGE  
T.J.S. Nagar, Peruvoyal  
(Near Kavaraipettai),  
Gummidipoondi Taluk,  
Thiruvallur District - 601 206.  
Tamilnadu.

**Telephone Numbers :** 044 27967600, 602, 604, 606.

**Fax Number :** 044 27967605

**E-mail Address :** tjsivanandam@ymail.com  
tjsivanandam@gmail.com

**Web site :** www.tjsec.in

**Trust Office :** T.J. Sivananda Mudaliar Educational Trust  
175, T.J.S. Building, G.N.T. Road,  
Kavaraipettai - 601 206.

**ACADEMIC CALENDAR**

**2021 - 2022**

*T.J.S.*  
**PRINCIPAL**  
T.J.S. ENGINEERING COLLEGE  
Peruvoyal, Kavaraipettai,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

## PERSONAL MEMORANDA

NAME :

YEAR / BRANCH :

ROLL NO. / UNIVERSITY REG. NO. :

PARENT'S / GUARDIAN'S NAME :

ADDRESS FOR COMMUNICATION :

ADDRESS OF THE LOCAL GUARDIAN :

(FOR HOSTEL STUDENTS)

IDENTIFICATION MARKS :

E-MAIL :

BLOOD GROUP :

CONTACT NO.: PARENT :

LOCAL GUARDIAN :



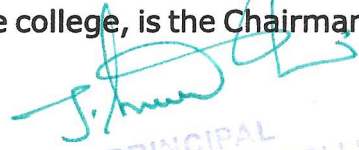
PRINCIPAL  
T.J.S. ENGINEERING COLLEGE  
Peruvoyal,  
Gammidiyapuram,  
Thiruvallur Dist - 601 208



**LATE SHRI. T.J. SIVANANDA MUDALIAR**

## ABOUT THE TRUST

T.J. Sivananda Mudaliar Educational Trust was established in the year 2007, under the vision of a renowned industrialist and philanthropist late. Shri. T.J.Sivanandam, who envisioned a top-class Technological Institute. He infused the spirit of promoting Higher Education among his brothers Shri. T.J.Arumugam, Shri. T.J.Desamuthu and Shri. T.J.Govindarajan and his dreams have come true with the establishment of T.J.S. Engineering College in the academic year 2009 – 2010. His dream was further fulfilled when the college was selected as the "BEST EDUCATIONAL INSTITUTE" among the newly started Engineering Colleges, by "Education Today" and awarded by then Vice Chancellor of Anna University, Chennai. Shri.T.J. Govindarajan, who has stipulated high standard for the college, is the Chairman and the Managing Trustee.



PRINCIPAL  
T.J.S. ENGINEERING COLLEGE  
Peruvoyal, Gammidiyapuram,  
Thiruvallur Dist - 601 208

## VISION

To empower the youth by developing their capabilities through quality education based on values.

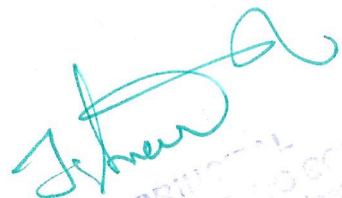
## MISSION

To promote education through a holistic manner to make them employable.

To make them responsible citizens to participate in the advancement of the society.


To make them contribute to the national growth and the world at large.

To promote excellence, quality and relevance in the field of technology to suit the industry needs.

  
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T.J.S. ENGINEERING COLLEGE  
Peruvoyal, Pavalurpettal,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

## PREAMBLE

T.J.S. Engineering College, started in the year 2009 by T.J. Sivananda Mudaliar Educational Trust is devoted to serve the needs of the under privileged students. It aims to mould the young minds and their skills to succeed in Engineering Education. The college is located in Thiruvallur District, Tamilnadu at a distance of about 10 Kms from Redhills on Chennai-Vijayawada-Kolkata National Highway (NH5). The serene sprawling green pasture and the impressive infrastructure provides academic ambience. Its high profile faculty, provide high standards of education with freedom and responsibility. The College is approved by All India Council for Technical Education, New Delhi and is affiliated to Anna University, Chennai. T.J.S Engineering College is accredited by NAAC & an ISO: 9001:2015 certified institution. The college is easily accessible from Chennai by bus proceeding to Gummidipoondi/Sullurpet/ Nellore/ Sri Kalahasti / Tirupathi. The college is also accessible by suburban trains running between Chennai and Gummidipoondi.

  
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Peruvoyal, Pavalurpettal,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

## THE MANAGEMENT

FOUNDER AND CHAIRMAN  
"Kalvi Neri Kavalar"

Shri. **T.J. Govindarajan**, B.A., MLA.,

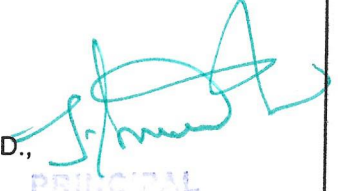
MANAGING DIRECTOR & SECRETARY  
Shri. **T.J. Arumugam**

VICE-CHAIRMAN  
Shri. **T.J. Desamuthu**

DIRECTORS  
Dr. **A. Palani**, B.D.S.  
Shri. **A. Vijaya Kumar**, M.E.  
Shri. **A. Kabilan**, B.A. B.L.  
Shri. **D. Dinesh**, B.Com. L.L.B.  
Shri. **G. Tamilarasan**, B.Com. M.B.A.

ADMINISTRATIVE OFFICER  
Mr. **S. Elumalai**

PRINCIPAL  
Dr. **J. Prakash**, M.E., Ph.D.,

  
PRINCIPAL  
T.J.S. ENGINEERING COLLEGE  
Peruvoyal, Kavaratturai,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

## தமிழ்தாய் வாழ்த்து

நீராரூங் கடலுடுத்த நிலமடந்தைக் கெழிலொழுகும்

சீராரூம் வதனமெனத் திகழ்பரத கண்டமிதில்

தெக்கணமும் அதிர்சிறந்த திராவிடநல் திருநாடும்

தக்கசிறு பிறைநுதலும் தரித்தநுறுந் திலகமுமே

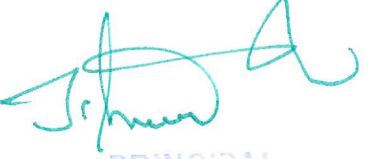
அத்திலக வாசனைபோல் அனைத்துலகும் இன்பமுற

எத்திசையும் புகழ்மணக்க இருந்தபெருந் தமிழணங்கே ! தமிழணங்கே !

உன் சீரிளமைத் திறம் வியந்து

செயல் மறந்து வாழ்த்துதுமே ! வாழ்த்துதுமே ! வாழ்த்துதுமே !

மனோன்மனீயம் - பெ. சுந்தரம் பிள்ளை

  
PRINCIPAL  
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Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

## NATIONAL ANTHEM

Jana - Gana - Mana - Adhinayaka Jaya He

Bharatha - Bhagya - Vidhata

Punjaba - Sindhu - Gujarata - Maratha -

Dravida - Utkala - Banga

Vindhya - Himachala - Yamuna - Ganga

Uchchhala - Jaladtha - Taranga

Tava Shubha Name Jage,

Tava Shubha Asisa Mage,

Gahe Tava Jaya - Gatha.

Jana - Gana - Mangala - Dayaka, Jaya He

Bharata - Bhagya - Vidhata,

Jaya He, Jaya He, Jaya He,

Jaya, Jaya, Jaya, Jaya He,

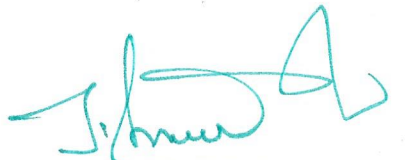
- Rabindranath Tagore

## PLEDGE

India is my Country. All Indians are my brothers and sisters. I love my country and I am proud of its rich and varied heritage. I shall always strive to be worthy of it.

I shall give my parents, teachers and all my elders respect and treat everyone with courtesy.

To my country and my people I pledge my devotion. In their well being and prosperity alone lies my happiness.

  
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Peruvoyal, Kanyakumari,  
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Thiruvallur Dist - 601 206.

## STUDENT ASSOCIATIONS

The College provides avenues for developing technical skills, updating knowledge on their subjects, personality development and service to the society through the following Associations. There is a staff advisor to guide the students in the smooth and effective functioning of the Associations.

Association of Civil Engineers

### HOOVER

Association of computer science Engineers

### VOICE

Association of Electronics and Communication Engineers

### ECLECTIC

Association of Electrical and Electronics Engineers

### E-Calibers

Association of Mechanical Engineers

### TEJAS

### CENTRE OF EXCELLENCE

Our college sets up 'A Centre of Excellence' which leads our students in some particular area of focus such as a technology Skill or discipline. A centre of Excellence also aims at revitalizing stalled initiative.

- ◆ IBM – SYSTEM CENTRE OF EXCELLENCE
- ◆ MEMBER OF ORACLE ACADEMY
- ◆ AUTODESK DESIGN PARTNER
- ◆ MEMBER OF ICT ACADEMY

## GENERAL DISCIPLINE

1. Every student shall strive to keep the campus clean and eco-friendly.
2. Students shall maintain silence and academic decorum in the classroom, canteen, playground, seminars, guest lectures and other gatherings.
3. Use of cell phone is strictly restricted in the college campus.
4. No private vehicle is allowed inside the campus during the working hours.
5. Students are strictly instructed not to indulge in any sort of malpractice in the internal test and University examinations.
6. Students should put on their identity card while they are in the campus and in the bus.
7. Students are expected to be regular and punctual to the class.
8. Students should wear the prescribed uniform for practical classes.

## RAGGING

Ragging of any sort is strictly prohibited. The following actions will be taken against students for indulging and abetting ragging in technical institutions, as framed by All India Council for Technical Education New Delhi.

1. The Punishment to be meted out to the persons indulged in ragging to be exemplary and justifiably harsh to act as a deterrent against recurrence of such incidents.
2. Every single incident of ragging a First Information Report (FIR) must be filled without exception by the institutional authorities with the local police authorities.
3. The Anti-Ragging Committee of the institution shall take an appropriate decision, with regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging.
4. (a) Depending upon the nature and gravity of the offence as established the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following :-



- (i) Cancellation of admission
  - (ii) Suspension from attending classes
  - (iii) Withholding/withdrawing scholarship/fellowship and other benefits
  - (iv) Debarring from appearing in any test/examination or other evaluation process
  - (v) Withholding results
  - (vi) Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
  - (vii) Suspension/expulsion from the hostel
  - (viii) Rustication from the institution for period ranging from 1 to 4 semesters
  - (ix) Expulsion from the institution and consequent debarring from admission to any other institution,
  - (x) Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment as a deterrent to ensure community pressure on the potential raggars.
- b) An appeal against the order of punishment by the Anti- Ragging Committee shall lie,
- i. In case of an order of an institution, affiliated to or constituent part, of the University, to the Vice- Chancellor of the University;
  - ii. In case of an order of a University, to its Chancellor,
  - iii. In case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be.
5. The institutional authorities shall intimate the incidents of ragging occurred in their premises along with actions taken to the Council from time to time.

**Anti Ragging – Toll Free Help Line Telephone Numbers: 18001805522**

  
**भारत का राजपत्र**  
**The Gazette of India**

2

THE GAZETTE OF INDIA: EXTRAORDINARY

[PART III—SEC. 3]

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

NOTIFICATION

New Delhi, the 22nd February, 2017

**Sub: Prevention and Prohibition of Ragging in technical Institutions, Universities including Deemed to be Universities imparting technical education.**

**F. No. 34-AICTE/AR/Antiragging/2016.**—In exercise of its powers conferred under sub-section (1) of Section 23 read with Section 10 and Section 11 of the All India Council for Technical Education Act, 1987 (52 of 1987) the AICTE hereby makes 2<sup>nd</sup> Amendment in Prevention and Prohibition of Ragging in technical Institutions, Universities including Deemed to be Universities imparting technical education Regulations 2009 which had been notified in the Gazette of India vide File No. 37-3/Legal/AICTE/2009 dated 01.07.2009 as under

"Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education Regulations 2009, in para 4, the following would be included/added after 4 (i) under heading "What constitutes Ragging":

4f). *Any act of physical or mental abuse (including bullying and exclusion) targeted at another student (freshers or otherwise) on the ground of colour, race, religion, caste, ethnicity, gender (including transgender), sexual orientation, appearance, nationality, regional origins, linguistic identity, place of birth, place of residence or ethnic background "*

Dr. A. P. MITTAL, Member Secy

[ADVT-III/4/Exy./428/16(162)]

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2017

**SCHOLARSHIP**

Students are requested to visit the following sites for details on Scholarship offered by AICTE which will help you recognise your own potential early in your academic career and will also motivate you to challenge yourself to reach higher goals in your own life.

[www.aicte-india.org](http://www.aicte-india.org)

[www.vidyalakshmi.co.in](http://www.vidyalakshmi.co.in)

## DRESS CODE

1. Students should wear formal and decent outfits.
2. Wrist bands or danglings should be avoided.
3. Boys are restricted from wearing black outfits, T shirts, Jeans, Sports shoes or any other casuals.
4. Girls are restricted from wearing short sleeved dresses, full black chudidhars, short tops, midis. Only formal chudidhar with duppatas pinned is allowed.
5. Sari is allowed only on occasions.

## ATTENDANCE

1. Regularity in attendance is a must.
2. Every student is expected to have a minimum of 75% attendance in each and every theory subject and a minimum of 75% attendance in the practical classes.
3. Planned leave should be intimated to the H.O.D. in advance.
4. Absence due to unprecedented cause should be intimated to the H.O.D. before 10.00 a.m.
5. The student has to produce the Medical Certificate in case of absence due to sickness for more than 3 days.
6. Students who fail to satisfy the norms of the University will not be allowed to write the University Examinations.
7. Leave will not be granted on the re-opening day / closing day of a term and on examination days except for valid reasons.

## COLLEGE TIMINGS

Working Hours	: 8.30 a.m. - 3.30 p.m.
Tea Break	: 10.20 a.m. - 10.30 a.m. (II, III & IV YEAR) 10.30 a.m. - 10.40 a.m. (I YEAR)
Lunch Break	: 12.20 p.m. - 1.00 p.m. (II, III & IV YEAR) 1.00 p.m. - 1.40 p.m. (I YEAR)
Tea Time	: 3.30 p.m.
Weekly Holidays	: Saturday and Sunday

## LIBRARY

Library at T.J.S. Engineering college provides uncompromising information and intellectual requirements to its students and faculty with a user-friendly approach. It offers a fully integrated and dynamic environment for conducting academic study. The library contains rich collection of 16600 books, Magazines, 40 National, 30 Inter-National journals on general and various disciplines. NPTEL facility (National Programme on Technology Enhanced Learning) to access video lectures, DELNET for resource sharing and Digital library with 10 systems to access the E-Journals, E-Books, CD/DVDs are available in library.

## RULES

1. The library will be kept open between 8 a.m. and 5 p.m. on working days.
2. Books will be lent to the users only against producing their ID cards.
3. Staff and students can borrow a maximum of 4 books respectively.
4. The books lent can be retained by the students for 14 days and by the staff for 21 days, from the date of issue.
5. Reference books will not be issued.
6. Only one time renewal of book will be permitted and that too, if there is no reservation against that particular book.
7. Books borrowed should be returned on the due date between 10 a.m. and 4 p.m. If not, fine of Re. 1 per day, shall be levied.
8. Books due on holidays may be returned on the next working day.
9. The borrower shall examine the pages of the book for any damage before leaving the library and report the same to the Librarian immediately. If the book is found to be damaged while returning, the borrower will be held responsible for the same.
10. The book lost should be replaced with a new copy. If the book is not available, double the cost of the book will be collected.
11. Every visit of the student to the library should be entered in the Library Entry Register.
12. Marking on books, soiling, underlining, writing remarks on pages, folding or tearing of pages etc., will be held as serious charges.
13. Requirement of new books shall be intimated to the Librarian through the HOD concerned.

## MENTOR SYSTEM

This unique feature aims to ensure a healthy relationship between the staff and the students. Each staff member is assigned 15 students under this system. The staff counsels the students in moral, academic and personal spheres so as to help them become professionals with ethics and values.

## COMMITTEES

The following committees headed by the Principal are formed in the College for its smooth functioning.

The Committees aim to imbibe in students the confidence of expression so as to help them participate in Curricular and Extra-curricular activities. Every week, 3 hours is allotted for each department for Guest lecturers / seminars and students participation in general and the HOD of the respective department will be in-charge of executing this.

### PLANNING AND MONITORING COMMITTEE

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms.M.ShunmugaSankari	HOD/EEE
Mr.S.Sivachandran	HOD /Civil
Dr R.Senthil Kumar	HOD/S&H

### ACADEMIC COMMITTEE

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms.M.ShunmugaSankari	HOD/EEE
Mr.S.Sivachandran	HOD /Civil
Dr. R.Senthil Kumar	HOD/S&H

### DISCIPLINE AND WELFARE COMMITTEE

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms. M.ShunmugaSankari	HOD/EEE
Mr. S.Sivachandran	HOD /Civil
Dr. R.Senthil Kumar	HOD/S&H
Mr.R.Girish	Deputy Warden – Boys' Hostel
Ms.V.Kanagasundari	Deputy Warden – Girls' Hostel

### COMPLAINTS & REDRESSAL COMMITTEE

Member	Designation
Dr.S.VelMurugan	HOD/ECE
Ms.S.Muthumariammal	HOD/CSE

### ANTI-RAGGING COMMITTEE

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms. M.ShunmugaSankari	HOD/EEE
Mr. S.Sivachandran	HOD /Civil
Dr. R.Senthil Kumar	HOD/S&H

### RIGHT TO INFORMATION CELL

Member	Designation
Dr. J. Prakash	Principal
Mr. S. Elumalai	Administrative Officer

### NAAC

Member	Designation
Dr.K.KamalBabu	HOD /Mech.
Dr.S.VelMurugan	HOD/ECE
Mr. S.Sivachandran	HOD /Civil

### INTERNAL QUALITY ASSURANCE CELL

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms.M.ShunmugaSankari	HOD/EEE
Mr. S.Sivachandran	HOD /Civil
Dr. R.Senthil Kumar	HOD/S&H

### ISO COMMITTEE

Member	Designation
Dr.S.VelMurugan	Management Representative
Mr.M.Prakash	DMR

### INTERNAL COMPLAINT COMMITTEE (ICC)

Member	Designation
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms. M.ShunmugaSankari	HOD/EEE
Dr. R.Senthil Kumar	HOD/S&H
Dr. L.Chatitha	ASP/ Chemistry
Ms. S.Anitha	AP/Physics

### COMMITTEE FOR RESERVED CANDIDATES

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms. M.ShunmugaSankari	HOD/EEE
Mr. S.Sivachandran	HOD /Civil
Dr. R.Senthil Kumar	HOD/S&H

### STUDENT COUNSELOR COMMITTEE

Member	Designation
Dr. L.Chatitha - IV YEAR	ASP/ Chemistry
Dr. M.SathyaPriya, - III YEAR	ASP/ECE
Mr. R.Sathish Kumar - II YEAR	AP / Mech
Dr.R.Senthilkumar, - I YEAR	ASP / Physics

T.J.S. ENGINEERING COLLEGE  
Peruvoyal, Kavarippalai,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

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Peruvoyal, Kavarippalai,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

**CALENDAR COMMITTEE**

Member	Designation
Dr. J. Prakash	Principal
Dr.S.VelMurugan	HOD/ECE
Dr.K.KamalBabu	HOD /Mech.
Ms.S.Muthumariammal	HOD/CSE
Ms. M.ShunmugaSankari	HOD/EEE
Mr. S.Sivachandran	HOD /Civil
Dr. R.Senthil Kumar	HOD/S&H
Ms.R.Padmini	AP/English

**NEWSLETTER COMMITTEE**

Member	Designation
Ms.R.Padmini	AP/English
Ms. C.Shalini	AP/ECE
Mr. A.Prakash	AP/EEE
Mr. S.Sathyamoorthi	AP/Mech.
Mr.R.Praveen Kumar	AP/Civil
Ms. S.V. Priyanka	AP/CSE

**NATIONAL SERVICE SCHEME**

Member	Designation
Mr.M.VidhuranKumar	AP/Maths

**PROFESSIONAL SOCIETIES**

Member	Designation
Mr. M.Prakash	AP./Mech

**SAE CO-ORDINATOR**

Member	Designation
Mr. R.Sathish Kumar	AP/Mech

**YOUTH RED CROSS**

Member	Designation
Mr. P.Anandha Prakash	AP/EEE

**PLACEMENT & TRAINING CELL**

Member	Designation
Mr.P.Karthikeyan	Placement – Head
Mr.S. MannarMannan	Aptitude Trainer

**INSTITUTION INNOVATION COUNCIL**

Member	Designation
Mr. S.Sivachandran	HOD /Civil

**INSTITUTE INDUSTRY COLLABORATION CELL**

Member	Designation
Dr.S.VelMurugan	HOD/ECE

**ENTREPRENEURSHIP DEVELOPMENT CELL**

Member	Designation
Mr.M.Prakash	AP/Mech

**ECO CLUB**

Member	Designation
Mr. K.Kaviarasan	AP/Civil

**FINE ARTS COMMITTEE**

Member	Designation
Ms.P. Usha	AP/Chemistry
Ms.D.Priya	AP/Chemistry
Ms.M.Mary Grace Neela	AP/ECE
Mr. A.Prakash	AP/EEE
Ms.V. Pavithra	AP/CSE
Mr.M.Prakash	AP/Mech.

J.S. ENGINEERING COLLEGE  
Peruvoyal, Kaveripettai,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.

**TRANSPORT COMMITTEE**

Member	Designation
Mr. P.Prabhu	Librarian
Mr. S.Sathyamoorthi	AP/Mech.

**BOYS' HOSTEL**

Member	Designation
Mr. S.Sivachandran	HOD /Civil
Mr. K.Kaviarasan	AP/Civil
Mr.M. Vinoth Kumar	AP/Mech
Mr.R.Girish	Deputy Warden – Boys' Hostel

**GIRLS' HOSTEL**

Member	Designation
Ms. M.ShunmugaSankari	HOD/EEE
Ms.S.Muthumariammal	HOD/CSE
Ms. G.Bhavani	AP/ECE
Ms. V.Kanagasundari	Deputy Warden – Girls' Hostel

**ANTI – SEXUAL HARASSMENT CELL**

Member	Designation	Contact
Dr. J. Prakash	Principal	7373730006
Mr. S. Elumalai	Administrative Officer	9788877774
Ms. M.ShunmugaSankari	HOD/EEE	9940069996
Dr. L.Chatitha	ASP/ Chemistry	9500048160
Dr. M.SathyaPriya,	ASP/ECE	9094020903
Ms. S.Anitha	AP/Physics	9790483473
Ms.S.Muthumariammal	HOD/CSE	9884067060
Ms. Paripuranam	Sub - Inspector of Police, Gummidipoondi	9994894179

**ANTI – DRUG COMMITTEE**

Member	Designation
Dr. J.Prakash	Principal - Convener
Dr.S.VelMurugan	HOD /ECE
Dr.K.KamalBabu	HOD /Mech.
Ms. S. Muthumariammal	HOD/CSE
Ms. M.ShunmugaSankari	HOD/EEE
Mr. S.Sivachandran	HOD/ Civil
Dr. R.Senthil Kumar	HOD/S&H
D.Naveen	Student IV/ECE
T.S.Balu Prakash	Student III/ECE
V.Suriya	Student II/ECE
J.SunilRaj	Student IV/Mech.
R.Viji	Student III/Mech.
V.Yogesh	Student III/Mech.
K.B.Guna sekar	Student IV/CSE.
A. Kumar	Student III/CSE.
A.Nirbhay Kumar	Student II/CSE.
E.Kirubhakaran	Student - IV/ EEE
K.Sanjay Mohan	Student - III/ EEE
N.Devendran	Student - II/ EEE
D.Ezhilarasan	Student - IV/ Civil
P.Edwin Johson	Student - II/ Civil
P. Aashish	Student - I/ S.& H
K.R.Rithvik Abinav	Student - I/ S.& H
S. Thahir Alaudeen	Student - I/ S.& H

## HOSTEL

A separate hostel for Men & Women constructed in vast stretch of land functions within the campus. The ambience and the amenities it provides, give the hostellers a home-away-home experience.

(Breakfast and Lunch as in the College Schedule.)

### Timings

Study Hours:	5.00 a.m. to 7.00 a.m. 8.00 p.m. to 10.00 p.m.
Supper:	7.00 p.m. to 8.00 p.m.

## DISCIPLINE

- Discipline in the hostel will be under the control of the Warden and Deputy Warden.
- Residents and their guests are forbidden to enter the kitchen.
- Students should not remain in the hostel during the class hours and at other times when their presence is expected in the Institution except with the permission of the warden / Deputy Warden for genuine reasons.
- Students whose names are removed from the roll call of the Institution shall forfeit hostel accommodation and must vacate the room forthwith; Staying in hostels without authorization is a strictly prohibited action.
- Residents and day scholars should not come to the rooms during free hours when the Institute is in session.
- Whenever inmates are leaving the hostel, they must enter their names, time of leaving and the purpose in the "OUT" register available at the gate and on their return, they must enter the time of their arrival in it.
- No student of first year should be found in senior student's room or vice versa, for any reason.
- No phone calls (incoming/outgoing) will normally be encouraged during study hours. Any calls of an emergency/inevitable nature need to be justified to the authorities.
- Anyone found guilty of ragging or preventing others from attending classes is liable to be expelled from the hostel and institute immediately.

- No student can leave the hostel for any reason without the written permission of Warden/Deputy warden. In addition, if the students including day scholars, who want to go out during regular class/lab hours, tea/lunch interval, they should also enter the details and sign in the register at the Institute's main gate. In case, prior permission has to be obtained to leave the campus, the fact should be indicated in the register.

## HOSTEL FEES

- Before admission, each student has to pay admission fee, mess deposit, establishment and other charges which may be revised from time to time

## CLEANLINESS IN THE HOSTEL

- Residents are responsible for the cleanliness of the rooms, corridors etc. They should see that rooms are properly swept every day by servants for that purpose.

All waste paper and refuse must be placed in the specially provided place for this purpose.

Students are not permitted to take their meals to their rooms.

As a special case, when a student is confined to bed due to illness, the food may be served in his/her room with the permission of the Warden/Deputy Warden.

Use of Radio, TV, extra lamp and other electrical appliances such as electric iron, electric stove or immersion heater is not permitted. If any of these items are found in the rooms, the same will be confiscated.

Decayable and Non-Decayable items should be put in separate.

## FURNITURE AND HOSTEL PROPERTY

- Hostellers will be held responsible for all damages to furniture, fittings etc. in their respective rooms.
- Each room is provided with Table, Chairs, wall clock, night lamp, Bookshelves, Dustbins and bedding.
- The rooms should be kept neat and tidy. No papers and posters should be pasted on the walls.
- The hostel is meant to be a home away from home for students. The inmates of the hostel are expected to be mutually friendly and co-operative with their fellow students.
- Discipline of highest order is to be maintained everywhere.
- Day scholars are not permitted to enter the hostel without prior permission from the Warden.
- Smoking or use of liquor or any other intoxicants or playing cards is strictly prohibited.
- The guilty will be expelled from the hostel with immediate effect.
- Students should devote these hours only to their studies.
- Attendance will be taken every night and kept for record.
- Prior permission should be obtained from their hostel authorities for the entry of visitors/guests in the hostel.
- They are expected to maintain order and discipline.
- Students will be charged for the breakages such as Tube light fittings, fans, stools, window glasses etc.
- Visiting hours on working days are between 5.00 p.m. and 6.30 p.m. and on holidays between 10.00 a.m. and 6.00 p.m.
- The visitors for girl students should produce visitors ID card, and only then they will be allowed to see their wards.

- Students are not allowed to go home every week end.
- They are allowed to go home only once in a month after submitting the requisition letter from their parents in written forms; phone calls or telegrams shall not be entertained in this regard.
- Violating the hostel rules will invite the severe punishment to the extent of being expelled from the hostel without any intimation to the parents.
- A separate declaration form containing the rules and regulations of the hostel will be issued to the students at the time of joining the hostel every year.
- This must be signed by the students and their parents
- Ragging in any form is illegal and strictly prohibited. Severe action with punishment including imprisonment will be taken against those who indulge in such activities.
- Students must strictly adhere to the timings of the mess.
- If a student is ill, the same should be reported to the warden, who will then make suitable arrangements to take care of that particular student.
- Electrical switches must be put off, whenever not required / while going out of room. Water taps should be closed after use.
- Students are advised not to keep their valuables / cash in the hostel / room.
- Each student should see that the room occupied by him/her is kept neat and clean. A complaint register is available with the warden for reporting on hygiene and repairs.



# T.J.S. ENGINEERING COLLEGE

WISH YOU A MARVELOUS AND SIGNIFICANT ACADEMIC YEAR 2021-22

JULY			AUGUST			SEPTEMBER		
DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE
1	THU		1	SUN	HOLIDAY	1	WED	
2	FRI		2	MON		2	THU	
3	SAT		3	TUE		3	FRI	
4	SUN	HOLIDAY	4	WED		4	SAT	
5	MON		5	THU		5	SUN	HOLIDAY
6	TUE		6	FRI		6	MON	
7	WED		7	SAT		7	TUE	
8	THU		8	SUN	HOLIDAY	8	WED	
9	FRI		9	MON		9	THU	
10	SAT		10	TUE		10	FRI	GANESH CHATURTHI
11	SUN	HOLIDAY	11	WED		11	SAT	
12	MON		12	THU		12	SUN	HOLIDAY
13	TUE		13	FRI		13	MON	
14	WED		14	SAT		14	TUE	
15	THU		15	SUN	HOLIDAY	15	WED	
16	FRI		16	MON		16	THU	
17	SAT		17	TUE		17	FRI	
18	SUN	HOLIDAY	18	WED	COLLEGE COMMENCES FOR III, V, VII	18	SAT	
19	MON					19	SUN	HOLIDAY
20	TUE					20	MON	
21	WED		19	THU		21	TUE	
22	THU		20	FRI		22	WED	
23	FRI		21	SAT		23	THU	
24	SAT		22	SUN	HOLIDAY	24	FRI	
25	SUN	HOLIDAY	23	MON		25	SAT	
26	MON		24	TUE		26	SUN	HOLIDAY
27	TUE		25	WED		27	MON	
28	WED		26	THU		28	TUE	
29	THU		27	FRI		29	WED	
30	FRI		28	SAT		30	THU	
31	SAT		29	SUN	HOLIDAY			
			30	MON	KRISHNA JAYANTHI			
			31	TUE				

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# T.J.S. ENGINEERING COLLEGE

WISH YOU A MARVELOUS AND SIGNIFICANT ACADEMIC YEAR 2021-22

OCTOBER			NOVEMBER			DECEMBER		
DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE
1	FRI		1	MON		1	WED	
2	SAT	GANDHI JAYANTHI	2	TUE		2	THU	
3	SUN	HOLIDAY	3	WED		3	FRI	
4	MON		4	THU	DEEPAVALI	4	SAT	
5	TUE		5	FRI		5	SUN	HOLIDAY
6	WED		6	SAT		6	MON	
7	THU		7	SUN	HOLIDAY	7	TUE	
8	FRI		8	MON	COMMENCEMENT OF INDUCTION PROGRAMME	8	WED	
9	SAT					9	THU	
10	SUN	HOLIDAY				10	FRI	
11	MON		9	TUE		11	SAT	
12	TUE		10	WED	GUEST LECTURE	12	SUN	HOLIDAY
13	WED		11	THU		13	MON	
14	THU	AYUDHA POOJA VIJAYADASAMI	12	FRI		14	TUE	
15	FRI		13	SAT		15	WED	ALUMNI INTERACTION
16	SAT		14	SUN	HOLIDAY	16	THU	
17	SUN	HOLIDAY	15	MON		17	FRI	
18	MON		16	TUE		18	SAT	
19	TUE	MILAD-UN-NABI	17	WED	INDUSTRIAL VISIT	19	SUN	HOLIDAY
20	WED		18	THU		20	MON	
21	THU		19	FRI		21	TUE	
22	FRI		20	SAT		22	WED	
23	SAT		21	SUN	HOLIDAY	23	THU	
24	SUN	HOLIDAY	22	MON	COMMENCEMENT OF CLASSES - I YEAR	24	FRI	
25	MON					25	SAT	CHRISTMAS HOLIDAY
26	TUE		23	TUE		26	SUN	
27	WED		24	WED	WORKSHOP	27	MON	
28	THU		25	THU		28	TUE	
29	FRI		26	FRI		29	WED	
30	SAT		27	SAT		30	THU	
31	SUN	HOLIDAY	28	SUN	HOLIDAY	31	FRI	
			29	MON				
			30	TUE				

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# T.J.S. ENGINEERING COLLEGE

WISH YOU A MARVELOUS AND SIGNIFICANT ACADEMIC YEAR 2021-22

JANUARY			FEBRUARY			MARCH		
DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE
1	SAT	NEW YEAR'S DAY	1	TUE		1	TUE	
2	SUN	HOLIDAY	2	WED		2	WED	
3	MON		3	THU		3	THU	WORKSHOP
4	TUE		4	FRI	INDUSTRIAL VISIT	4	FRI	
5	WED		5	SAT		5	SAT	
6	THU		6	SUN	HOLIDAY	6	SUN	HOLIDAY
7	FRI		7	MON		7	MON	COLLEGE RE-OPENS FOR NEXT SEMESTER (IV, VI & VIII)
8	SAT		8	TUE		8	TUE	LAST WORKING DAY SEM 1
9	SUN	HOLIDAY	9	WED		9	WED	INDUSTRIAL VISIT
10	MON		10	THU		10	THU	COMMENCEMENT OF PRACTICAL EXAMINATION AU I YEAR
11	TUE		11	FRI		11	FRI	
12	WED		12	SAT		12	SAT	
13	THU		13	SUN	HOLIDAY	13	SUN	HOLIDAY
14	FRI	PONGAL	14	MON	CONFERENCE	14	MON	
15	SAT	THIRUVALLUVAR DAY	15	TUE		15	TUE	
16	SUN	HOLIDAY	16	WED	ALUMNI INTERACTION	16	WED	
17	MON		17	THU		17	THU	
18	TUE		18	FRI		18	FRI	
19	WED		19	SAT		19	SAT	
20	THU	GUEST LECTURE	20	SUN	HOLIDAY	20	SUN	HOLIDAY
21	FRI		21	MON		21	MON	COMMENCEMENT OF END SEMESTER EXAMINATION A.U SEM 1
22	SAT		22	TUE		22	TUE	
23	SUN	HOLIDAY	23	WED	GUEST LECTURE	23	WED	
24	MON		24	THU		24	THU	
25	TUE		25	FRI		25	FRI	
26	WED	REPUBLIC DAY	26	SAT		26	SAT	
27	THU		27	SUN	HOLIDAY	27	SUN	
28	FRI	WORKSHOP	28	MON		28	MON	
29	SAT		29	TUE		29	TUE	
30	SUN	HOLIDAY	30	WED		30	WED	
31	MON		31	THU		31	THU	

# T.J.S. ENGINEERING COLLEGE

WISH YOU A MARVELOUS AND SIGNIFICANT ACADEMIC YEAR 2021-22

APRIL			MAY			JUNE		
DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE	DATE	DAY	SCHEDULE
1	FRI		1	SUN	MAY DAY	1	WED	
2	SAT	TELUGU NEW YEAR	2	MON		2	THU	
3	SUN	HOLIDAY	3	TUE	RAMZAN	3	FRI	
4	MON		4	WED		4	SAT	
5	TUE		5	THU		5	SUN	HOLIDAY
6	WED		6	FRI		6	MON	
7	THU		7	SAT		7	TUE	
8	FRI	WORKSHOP	8	SUN	HOLIDAY	8	WED	
9	SAT		9	MON		9	THU	
10	SUN	HOLIDAY	10	TUE		10	FRI	
11	MON		11	WED		11	SAT	LAST WORKING DAY (IV, VI & VIII)
12	TUE		12	THU		12	SUN	HOLIDAY
13	WED	ALUMNI INTERACTION	13	FRI		13	MON	COMMENCEMENT OF PRACTICAL EXAMINATIONS A.U (IV, VI & VIII)
14	THU	DR. AMBEDKAR JAYANTI	14	SAT		14	TUE	
15	FRI	GOOD FRIDAY	15	SUN	HOLIDAY	15	WED	
16	SAT		16	MON		16	THU	
17	SUN	HOLIDAY	17	TUE		17	FRI	
18	MON		18	WED		18	SAT	HOLIDAY
19	TUE		19	THU		19	SUN	
20	WED		20	FRI		20	MON	
21	THU	GUEST LECTURE	21	SAT	HOLIDAY	21	TUE	
22	FRI		22	SUN		22	WED	
23	SAT		23	MON		23	THU	COMMENCEMENT OF END SEMESTER EXAMINATIONS A.U (IV, VI & VIII)
24	SUN	HOLIDAY	24	TUE		24	FRI	
25	MON		25	WED		25	SAT	
26	TUE		26	THU		26	SUN	
27	WED		27	FRI		27	MON	
28	THU		28	SAT		28	TUE	
29	FRI	INDUSTRIAL VISIT	29	SUN	HOLIDAY	29	WED	
30	SAT		30	MON		30	THU	
			31	TUE				

**CLASS TIME TABLE**

**YEAR: I**

**SEMESTER:**

DAY/HOUR	1 9.00 - 9.40	2 9.40 - 10.30	3 10.40 - 11.30	4 11.30 - 12.20	5 12.20 - 1.00	6 1.40 - 2.35	7 2.35 - 3.30
MONDAY						LUNCH	
TUESDAY							
WEDNESDAY			TEA				
THURSDAY				BREAK			
FRIDAY						BREAK	

**YEAR: II / III / IV**

**SEMESTER:**

DAY/HOUR	1 9.00 - 9.40	2 9.40 - 10.20	3 10.30 - 11.30	4 11.30 - 12.20	5 12.20 - 1.00	6 1.40 - 2.35	7 2.35 - 3.30
MONDAY							
TUESDAY					LUNCH		
WEDNESDAY							
THURSDAY			TEA				
FRIDAY				BREAK			

# T.J.S. ENGINEERING COLLEGE

Approved by AICTE, New Delhi & Affiliated to Anna University Chennai /  
Accredited by NAAC / ISO 9001:2015 Certified

## LEAVE FORM

Date: \_\_\_\_\_

Name of the Student: \_\_\_\_\_

Reg No: \_\_\_\_\_

Year/Branch/Semester: \_\_\_\_\_

Leave : From \_\_\_\_\_ To \_\_\_\_\_

Reason for Leave: \_\_\_\_\_

Cumulative Leave Taken: \_\_\_\_\_

Recommended/Not recommended should be treated as leave/absent

Student Signature: \_\_\_\_\_

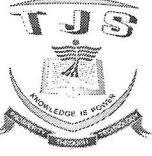

Parent Signature: \_\_\_\_\_

CLASS ADVISOR

H.O.D

  
PRINCIPAL

T.J.S. ENGINEERING COLLEGE  
Porvayal, Karaikal  
Gurukulam  
Thiruvallur Dist - 601 206.

	<b>T.J.S. ENGINEERING COLLEGE</b> TJS Nagar, Kavaraipettai, Chennai 601206	
	<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</b>	
	<b>LESSON PLAN</b> <b>2021-2022 ODD SEMESTER</b>	

**COURSE INFORMATION SHEET**

PROGRAMME: COMPUTER SCIENCE AND ENGINEERING	DEGREE: B E
COURSE: PROBLEM SOLVING AND PYTHON PROGRAMMING	SEMESTER: S1      CREDITS: 3
COURSE CODE: GE3151 REGULATION: 2021	COURSE TYPE: CORE /ELECTIVE / BREADTH/ S&H
COURSE AREA/DOMAIN: PROGRAMMING IN PYTHON	CONTACT HOURS: 4 HOURS/WEEK.
CORRESPONDING LAB COURSE CODE (IF ANY): GE3171	LAB COURSE NAME: PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY

**SYLLABUS:**

UNIT	DETAILS	HOURS
I	<b>UNIT I COMPUTATIONAL THINKING AND PROBLEM SOLVING</b>  Fundamentals of Computing – Identification of Computational Problems -Algorithms, building blocks of algorithms (statements, state, control flow, functions), notation (pseudo code, flow chart, programming language), algorithmic problem solving, simple strategies for developing algorithms (iteration, recursion). Illustrative problems: find minimum in a list, insert a card in a list of sorted cards, guess an integer number in a range, Towers of Hanoi.	9
II	<b>UNIT II DATA TYPES, EXPRESSIONS, STATEMENTS</b>  Python interpreter and interactive mode, debugging; values and types: int, float, boolean, string, and list; variables, expressions, statements, tuple assignment, precedence of operators, comments; Illustrative programs: exchange the values of two variables, circulate the values of n variables, distance	9

  
**PRINCIPAL**


TJS/CSE/GE3151/PSPP

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	between two points.	
III	<p><b>UNIT III CONTROL FLOW, FUNCTIONS, STRINGS</b></p> <p>Conditionals: Boolean values and operators, conditional (if), alternative (if-else), chained conditional (if-elif-else); Iteration: state, while, for, break, continue, pass; Fruitful functions: return values, parameters, local and global scope, function composition, recursion; Strings: string slices, immutability, string functions and methods, string module; Lists as arrays. Illustrative programs: square root, gcd, exponentiation, sum an array of numbers, linear search, binary search.</p>	9
IV	<p><b>UNIT IV LISTS, TUPLES, DICTIONARIES</b></p> <p>Lists: list operations, list slices, list methods, list loop, mutability, aliasing, cloning lists, list parameters; Tuples: tuple assignment, tuple as return value; Dictionaries: operations and methods; advanced list processing – list comprehension; Illustrative programs: simple sorting, histogram, Students marks statement, Retail bill preparation.</p>	9
V	<p><b>UNIT V FILES, MODULES, PACKAGES</b></p> <p>Files and exception: text files, reading and writing files, format operator; command line arguments, errors and exceptions, handling exceptions, modules, packages; Illustrative programs: word count, copy file, Voter's age validation, Marks range validation (0-100).</p>	9
	<b>TOTAL HOURS</b>	<b>45</b>

**TEXT/REFERENCE BOOKS:**

T/R	BOOK TITLE/AUTHORS/PUBLICATION
T	1. Allen B. Downey, "Think Python: How to Think like a Computer Scientist", 2nd Edition, O'Reilly Publishers, 2016.
T	12. Karl Beecher, "Computational Thinking: A Beginner's Guide to Problem Solving and programming", 1st Edition, BCS Learning & Development Limited, 2017.
R	1. Paul Deitel and Harvey Deitel, "Python for Programmers", Pearson

  
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	Education, 1st Edition, 2021.
R	2. G Venkatesh and Madhavan Mukund, “Computational Thinking: A Primer for Programmers and Data Scientists”, 1st Edition, Notion Press, 2021.
R	3. John V Guttag, &quot;Introduction to Computation and Programming Using Python: With Applications to Computational Modeling and Understanding Data“, Third Edition, MIT Press 2021
R	4. Eric Matthes, “Python Crash Course, A Hands – on Project Based Introduction to Programming”, 2nd Edition, No Starch Press, 2019.
R	5. <a href="https://www.python.org/">https://www.python.org/</a>
R	6. Martin C. Brown, “Python: The Complete Reference”, 4th Edition, McGraw Hill, 2018.

**COURSE PRE-REQUISITES:**


C.CODE	COURSE NAME	DESCRIPTION	SEM
NIL	NIL	NIL	NIL

**COURSE OBJECTIVES:**

1	To understand Object Oriented Programming concepts and basics of Java programming language
2	To know the principles of packages, inheritance and interfaces
3	To develop a java application with threads and generics classes
4	To define exceptions and use I/O streams
5	To design and build Graphical User Interface Application using JAVAFX

**COURSE OUTCOMES:**

SNO	DESCRIPTION	PO & PSO MAPPING
1	CO1: Develop algorithmic solutions to simple computational problems.	PO1,PO2,PO3,PSO1, PSO2
2	CO2: Develop and execute simple Python programs.	PO1,PO2,PO3,PSO1, PSO2
3	CO3: Write simple Python programs using	PO1,PO2,PO3,PSO1,

  
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	conditionals and looping for solving problems.	PSO2
4	CO4: Decompose a Python program into functions.	PO1,PO2,PO3,PSO1, PSO2
5	CO5: Represent compound data using Python lists, tuples, dictionaries etc.	PO1,PO2,PO3,PSO1, PSO2
6	CO6: Read and write data from/to files in Python programs.	

GAPS IN THE SYLLABUS - TO MEET INDUSTRY/PROFESSION REQUIREMENTS:

SNO	DESCRIPTION	PROPOSED ACTIONS
1	APPLICATIONS	SEMINAR

PROPOSED ACTIONS: TOPICS BEYOND SYLLABUS/ASSIGNMENT/INDUSTRY VISIT/GUEST LECTURER/NPTEL ETC

TOPICS BEYOND SYLLABUS/ADVANCED TOPICS/DESIGN:

1	PYTHON SCRIPT GAME DEVELOPMENT
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DELIVERY/INSTRUCTIONAL METHODOLOGIES:


<input checked="" type="checkbox"/> CHALK & TALK	<input checked="" type="checkbox"/> STUD. ASSIGNMENT	<input type="checkbox"/> WEB RESOURCES	
<input checked="" type="checkbox"/> LCD/SMART BOARDS	<input checked="" type="checkbox"/> STUD. SEMINARS	<input type="checkbox"/> ADD-ON COURSES	

ASSESSMENT METHODOLOGIES-DIRECT

<input checked="" type="checkbox"/> ASSIGNMENTS	<input type="checkbox"/> STUD. SEMINARS	<input checked="" type="checkbox"/> TESTS/MODEL EXAMS	<input type="checkbox"/> UNIV. EXAMINATION
<input type="checkbox"/> STUD. LAB PRACTICES	<input type="checkbox"/> STUD. VIVA	<input type="checkbox"/> MINI/MAJOR PROJECTS	<input type="checkbox"/> CERTIFICATIONS
<input type="checkbox"/> ADD-ON COURSES	<input type="checkbox"/> OTHERS		

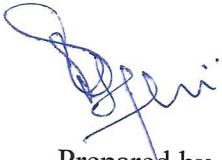
ASSESSMENT METHODOLOGIES-INDIRECT

<input type="checkbox"/> ASSESSMENT OF COURSE OUTCOMES (BY FEEDBACK, ONCE)	<input type="checkbox"/> STUDENT FEEDBACK ON FACULTY (TWICE)
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<input type="checkbox"/> ASSESSMENT OF MINI/MAJOR PROJECTS BY EXT. EXPERTS	<input type="checkbox"/> OTHERS



Prepared by

Ms. Pavithra V


( AP/CSE)



Approved by

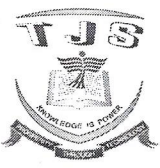

Dr. S. Senthil Kumar

(HOD)



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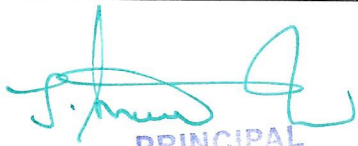
	<b>T.J.S. ENGINEERING COLLEGE</b> TJS Nagar, Kavaraipettai, Chennai 601206	
	<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</b>	
	<b>LESSON PLAN</b> <b>2021-2022 ODD SEMESTER</b>	

## COURSE PLAN

### UNIT I COMPUTATIONAL THINKING AND PROBLEM SOLVING

Fundamentals of Computing – Identification of Computational Problems - Algorithms, building blocks of algorithms (statements, state, control flow, functions), notation (pseudo code, flow chart, programming language), algorithmic problem solving, simple strategies for developing algorithms (iteration, recursion). Illustrative problems: find minimum in a list, insert a card in a list of sorted cards, guess an integer number in a range, Towers of Hanoi.

Session No.	Planned date and hour	Topics to be covered	Teaching Method	Actual date
1.	22/11/21	Fundamentals of Computing	BB/PPT	22/11/21
2.	23/11/21	Identification of Computational Problems -Algorithms	BB/PPT	23/11/21
3.	24/11/21	building blocks of algorithms (statements, state, control flow, functions)	BB/PPT	23/11/21
4.	25/11/21	notation (pseudo code, flow chart, programming language)	BB/PPT	24/11/21
5.	29/11/21	algorithmic problem solving	BB/PPT	25/11/21
6.	30/11/21	simple strategies for developing algorithms (iteration, recursion)	BB/PPT	29/11/21
7.	01/12/21	Illustrative problems: find minimum in a list	BB/PPT	30/11/21
8.	01/12/21	insert a card in a list of sorted cards	BB/PPT	1/12/21

  
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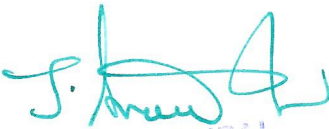
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9.	02/12/21	guess an integer number in a range	BB/PPT	02/12/21
10.	03/12/21	Towers of Hanoi.	BB/PPT	3/12/21.

## UNIT II DATA TYPES, EXPRESSIONS, STATEMENTS

Python interpreter and interactive mode, debugging; values and types: int, float, boolean, string, and list; variables, expressions, statements, tuple assignment, precedence of operators, comments; Illustrative programs: exchange the values of two variables, circulate the values of n variables, distance between two points.

Session No.	Planned date and hour	Topics to be covered	Teaching Method	Actual date
1.	06/12/21	Python interpreter and interactive mode, debugging	BB/PPT	06/12/21
2.	08/12/21	values and types: int, float, boolean, string, and list	BB/PPT	08/12/21
3.	08/12/21	variables, expressions	BB/PPT	08/12/21
4.	15/12/21	statements, tuple assignment	BB/PPT	18/12/21
5.	18/12/21	precedence of operators	BB/PPT	21/12/21
6.	21/12/21	comments	BB/PPT	22/12/21
7.	22/12/21	Illustrative programs: exchange the values of two variables	BB/PPT	22/12/21
8.	22/12/21	circulate the values of n variables	BB/PPT	23/12/21
9.	23/12/21	distance between two points.	BB/PPT	27/12/21

  
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## UNIT III CONTROL FLOW, FUNCTIONS, STRINGS

Conditionals: Boolean values and operators, conditional (if), alternative (if-else), chained conditional (if-elif-else); Iteration: state, while, for, break, continue, pass; Fruitful functions: return values, parameters, local and global scope, function composition, recursion; Strings: string slices, immutability, string functions and methods, string module; Lists as arrays. Illustrative programs: square root, gcd, exponentiation, sum an array of numbers, linear search, binary search.

Session No.	Taken date	Topics to be covered	Teaching Method	Actual date
1.	27/12/21	Conditionals: Boolean values and operators, conditional (if), alternative (if-else), chained conditional (if-elif-else)	BB/PPT	29/12/21
2.	29/12/21	Iteration: state, while, for	BB/PPT	30/12/21
3.	30/12/21	break, continue, pass	BB/PPT	5/01/22
4.	5/1/22	Fruitful functions: return values, parameters	BB/PPT	6/1/22
5.	6/1/22	local and global scope	BB/PPT	6/1/22
6.	8/1/22	function composition	BB/PPT	8/1/22
7.	10/1/22	recursion	BB/PPT	10/1/22
8.	12/1/22	Strings: string slices, immutability, string functions	BB/PPT	12/1/22
9.	19/1/22	string methods, string module	BB/PPT	19/1/22
10.	20/1/22	Lists as arrays.	BB/PPT	20/1/22
11.	21/1/22	Illustrative programs: square root	BB/PPT	21/1/22
12.	22/1/22	gcd, exponentiation	BB/PPT	22/1/22
13.	24/1/22	sum an array of numbers	BB/PPT	24/1/22

  
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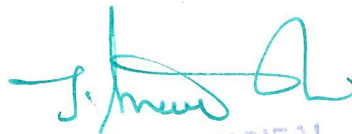
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14.	24/1/1)	linear search	BB/PPT	24/1/22
15.	25/1/1)	binary search.	BB/PPT	25/1/22

#### UNIT IV LISTS, TUPLES, DICTIONARIES

Lists: list operations, list slices, list methods, list loop, mutability, aliasing, cloning lists, list parameters; Tuples: tuple assignment, tuple as return value; Dictionaries: operations and methods; advanced list processing – list comprehension; Illustrative programs: simple sorting, histogram, Students marks statement, Retail bill preparation.

Session No.	Taken date	Topics to be covered	Teaching Method	Actual date
1.	27/1/1)	Lists: list operations	BB/PPT	27/1/22
2.	28/1/1)	list slices, list methods	BB/PPT	28/1/22
3.	1/2)	list loop, mutability	BB/PPT	1/2/22
4.	2/2)	aliasing, cloning lists	BB/PPT	2/2/22
5.	2/2)	list parameters	BB/PPT	2/2/22
6.	3/2)	Tuples: tuple assignment	BB/PPT	3/2/22
7.	4/2)	tuple as return value	BB/PPT	4/2/22
8.	4/2)	Dictionaries: operations	BB/PPT	4/2/22
9.	7/2)	methods	BB/PPT	7/2/22
10.	8/2)	advanced list processing	BB/PPT	7/2/22
11.	8/2)	list comprehension	BB/PPT	8/2/22
12.	9/2).	Illustrative programs: simple sorting	BB/PPT	9/2/22



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13.	9/2/22	histogram	BB/PPT	9/2/22
14.	10/2/22	Students marks statement	BB/PPT	10/2/22
15.	10/2/22	Retail bill preparation.	BB/PPT	10/2/22

### UNIT V FILES, MODULES, PACKAGES

Files and exception: text files, reading and writing files, format operator; command line arguments, errors and exceptions, handling exceptions, modules, packages; Illustrative programs: word count, copy file, Voter's age validation, Marks range validation (0-100).

Session No.	Actual date	Topics to be covered	Teaching Method	Taken date
1.	14/2/22	Files and exception: text files	BB/PPT	14/2/22
2.	14/2/22	reading and writing files	BB/PPT	14/2/22
3.	15/2/22	format operator	BB/PPT	15/2/22
4.	15/2/22	command line arguments	BB/PPT	15/2/22
5.	16/2/22	errors and exceptions	BB/PPT	16/2/22
6.	16/2/22	handling exceptions	BB/PPT	16/2/22
7.	17/2/22	modules	BB/PPT	17/2/22
8.	17/2/22	packages	BB/PPT	17/2/22
9.	18/2/22	Illustrative programs: word count	BB/PPT	18/2/22
10.	18/2/22	copy file	BB/PPT	18/2/22
11.	21/2/22	Voter's age validation	BB/PPT	21/2/22
12.	21/2/22	Marks range validation (0-100)	BB/PPT	21/2/22

STAFF IN-CHARGE

HOD

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## INSTRUCTIONS

1. The register is meant for Attendance and Assessment record of class work to be maintained by every staff member who handles the classes.
2. The record is an important document and the staff should make the entries in the relevant columns and keep the same up-to-date and correct.
3. At the end of each period, the total no. of absentees should be clearly noted at the bottom of each column in each page.
4. In the case of absence for every period from the class, the student concerned must be made to offer explanation in writing and if the staff is not satisfied with the explanation, it should be forwarded to the Principal with the remarks of the Staff concerned.
5. The register should be handed over to the H.O.D. whenever the teacher goes on leave.
6. At the end of the semester, the percentage of attendance for each student should be worked out and entered in the relevant column, and the register should be submitted to the Principal through their respective H.O.D.

## T.J.S. ENGINEERING COLLEGE

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An ISO 9001:2015 Certified Institution

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### RECORD OF ATTENDANCE AND ASSESSMENT

From : November 2021 To : January 2022

Branch : CSE

Subject : PSPP

Sub. Code: GE3151.

Name of the Teaching Staff: Pavithra V.

	End of 1st Month	End of 2nd Month	End of 3rd Month	End of Semester
<b>Staff</b>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
<b>H.O.D.</b>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
<b>Principal</b>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>







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45  
2022

## TIME TABLE

Period Day / Time	1 8.30 to 9.25	2 9.25 to 10.20	3 10.30 to 11.25	4 11.25 to 12.20	5 1.00 to 1.55	6 1.55 to 2.50	7 2.50 to 3.40
Mon		Python				Python Lab	
Tue	Python						
Wed		Python			Python		
Thurs		Python					
			<b>BREAK</b>				
			<b>LUNCH</b>				

NAME OF THE SUBJECT : Problem Solving and Python Programming

### ASSIGNMENT

Assignment	Date Released	Due Date	Remarks
1	24/11/21	30/11/21	Computation of Derivates.
2	09/12/21	25/12/21	Home assignment
3			
4			
5			

	Unit Test I			Unit Test II			Pre Model			Unit Test IV			Model			University Marks
	FA	1	2	FA	1	2	FA	1	2	FA	1	2	FA	1	2	
Total Number of Students	38			38									38			
Number of Students Absent	1 AB			3 AB									2 AB			
Number of Students Passed	34			30									27			
Number of Students Failed	03			05									09			
Pass %	91			78									71			
H.O.D.	✓			✓									✓			
Principal																

UNIVERSITY EXAMINATIONS PASS PERCENTAGE: