

**PESCE**



# Academic Council Meeting - XII

Saturday, 17th August, 2019

**P.E.S.C.E**

**TEQIP-3**  
Technical Education Quality Improvement Programme

**Professionally Excellent Socially Committed Engineers**

People's Education Trust (R.) Mandya

**P.E.S. College of Engineering**

Mandya - 571 401, Karnataka

(An Autonomous Institution Affiliated to VTU, Belagavi,

Grant-in-Aid Institution(Government of Karantaka), World Bank Funded College( TEQIP)

Accredited by NBA & NAAC and Aproved by AICTE, New Delhi.)

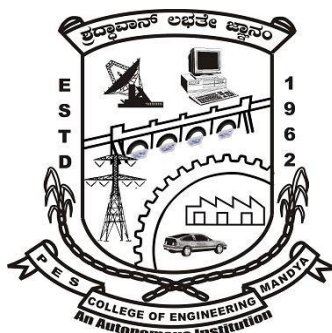
Phone : +91-8232-220043/238042/220120/238330/238683

Fax : 08232-222075, e-mail : [principal@pesce.as.in](mailto:principal@pesce.as.in) web : [www.pescemandya.org](http://www.pescemandya.org), [www.pesce.ac.in](http://www.pesce.ac.in)



# **P.E.S. College of Engineering, Mandya - 571 401, Karnataka**

*[An Autonomous Institution affiliated to VTU, Belagavi,  
Grant – in – Aid Institution (Government of Karnataka), World Bank Funded College (TEQIP),  
Accredited by NBA, NAAC and Approved by AICTE, New Delhi]*



## **Academic Council Meeting – XII Report**

**Saturday, 17<sup>th</sup> August, 2019**

### **VISION**

*“PESCE shall be a leading institution imparting quality Engineering and Management education developing creative and socially responsible professionals.”*

### **MISSION**

- *Provide state of the art infrastructure, motivate the faculty to be proficient in their field of specialization and adopt best teaching-learning practices.*
- *Impart engineering and managerial skills through competent and committed faculty using outcome based educational curriculum.*
- *Inculcate professional ethics, leadership qualities and entrepreneurial skills to meet the societal needs.*
- *Promote research, product development and industry-institution interaction.*

### **Quality Policy**

*Highly committed in providing quality, concurrent technical education and continuously striving to meet expectations of stake holders.*

### **Core values**

*Professionalism*

*Empathy*

*Synergy*

*Commitment*

*Ethics*

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<b>I</b>	<b>Academic Council Members for the Period 2019 - 21</b>
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Sl. No.	Category	Sl. No.	Name
I	Principal of the college	1.	Dr. H V Ravindra
II	Controller of Examination	2.	Dr.K Narasimhachary
III	All Heads of departments	3.	Dr. R M Mahalinge Gowda
		4.	Dr. K A Radhakrishna Rao
		5.	Dr. M C Padma
		6.	Dr. Vinay S
		7.	Dr. V R Devadatha
		8.	Dr. N L Murali Krishna
		9.	Dr. K M Jagadeesha
		10.	Dr. Gopiya Naik S
		11.	Dr. Puttaswamy
		12.	Dr. Shivalingegowda
		13.	Dr. H Ramachandra
		14.	Dr. H P Mohan Kumar
		15.	Dr. P Somashekar
IV	Teaching staffs of the college representing at different levels	16.	Dr. H M Nanjundaswamy
		17.	Dr. S Ghanaraj
		18.	Dr. M N Veena
		19.	Dr. T M Prakash
		20.	Prof. M J Anand
V	Experts from the outside the college representing areas such as Industry, R&D. Tech. Edn.	21.	Dr. Ranganna, Professor & Head, Dept of Electrical & Electronics Engg , RVCE, Bangalore
		22.	Dr. R V Ranganath, Professor & Head, Dept of Civil Engg., BMSCE, Bangalore.
		23.	Dr. L Krishna Murthy, Professor, Dept of Mechanical Engg., NIE, Mysuru
		24.	Dr. Sudeendra Kaushik, Chief Innovator & Co-Founder Prasu, Bangalore
		25.	Dr. Dinesh M S, Principal Scientist, Philips, Bangalore.
VI	Nominees of the VTU	26.	Dr. G.N. Krishnamurthy, Principal B.N.M Institute of Technology, Bangalore.
		27.	Dr. K N Subramanya, Principal R.V. College of Engineering, Bangalore.
		28.	Dr. C Nanjundaswamy, Principal Dr. Ambedkar Institute of Technology, Bangalore.

VII	Faculty Members - Member Secretary	29.	Dr. Nagarathna – Dean (Academic)
		30.	Dr. Umesh D R – Dy. Dean (Academic)
VIII	Invitees	31.	Dr. B S Shivakumar– Dean (III)
		32.	Dr. Ajit Prasad. S.L -Dean (Research)
		33.	Dr. R. Girish – Training & Placement Officer
		34.	Dr. L Prasanna Kumar – Warden (Boys Hostel)
		35.	Dr. M L Anitha – Warden (Girls Hostel)
		36.	Prof. B Dinesh Prabhu– TEQIP Coordinator

<b>II</b>	<b>Agenda of the Academic Council - XI Meeting held on 04-08-2018</b>
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Ref: PESCE/Auto/Acad/2018/17

Date: 31 - 07 - 2018

**Circular**

***Sub: 11<sup>th</sup> Academic Council meeting – reg.***

A meeting of 11<sup>th</sup> Academic Council is scheduled on **Saturday 4<sup>th</sup> August 2018**. Kindly make yourself convenient to be present and spare your valuable experience and expertise on the occasion.

***Venue: Smart class room of MBA block.***

***Time: 10.00 am***



(Dr.P S Puttaswamy)  
Dean (Academic)

**AGENDA**

1. Action taken report of ACM – 10
2. Approval & consideration of **CBCS with OBE** (2015-16) Scheme of Study and Syllabus for the revised BE Programme of VII & VIII Semester (All branches)
3. Approval & consideration of **CBCS with OBE** (2017-18) Scheme of Study and Syllabus for the revised BE Programme of III & IV Semester (All branches)
4. Approval & consideration of **CBCS with OBE** (2018-19) Scheme of Study and Syllabus for the revised BE Programme.
  - i. *As per VTU/ AICTE norms number of credits for the programme has been reduced from 200 to 175 credits*
  - ii. *Number of credits for I/ II semester is reduced from 48 to 42 credits*
  - iii. *Scheme of I to VIII semester BE (General)*
  - iv. *Syllabus of I and II Sem BE (Common to All Branches)*
5. Approval & consideration of **OBE** Scheme and Syllabus for revised **M.Tech.** Programs (2017-18 scheme) for III & IV semester
6. Approval & consideration of **OBE** Scheme and Syllabus for revised **M.Tech.** Programs (2018-19 scheme)
  - i. *As per VTU/ AICTE norms number of credits for the programme has been reduced from 100 to 88 credits*

- ii. *Scheme of study I - IV Sem (General)*
- iii. *The syllabus of M.Tech.(All branches)*
- 7. Approval & consideration of **OBE** Scheme and Syllabus of **MBA** Program (2018-19 scheme)
- 8. Approval & consideration of **OBE** Scheme, Syllabus and Scheme of Examinations of **MCA** Program (2018-19 scheme)
  - i. *As per VTU/AICTE norms number of credits for the programme has been reduced from 150 to 132 credits*
- 9. Results of the Academic Year 2017-18
- 10. Toppers, Rank Holders, Eligible Candidates for the Award of Degree
- 11. Conduction of 9<sup>th</sup> Graduation Day on 25<sup>th</sup> August 2018
- 12. Any other matters with the permission of chairperson.

**Copy To:**

- 1) *The Principal, for kind information*
- 2) *Controller of Examinations*
- 3) *The Head (Physics, Chemistry, Mathematics, All BE &M.Tech. Engg., MCA, MBA Depts.), for needful*
- 4) *Teachers of the college representing different level of teaching staff.*
- 5) *Experts from outside the college representing areas such as Industry, R & D., Tech Edn.*
- 6) *Nominees of the VTU*

<b>III</b>	<b>Action taken report in Academic Council Meeting – XI held on 04-08-2018</b>
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Ref: PESCE/Auto/Acad/2018/20

08 - 08 - 2018

The Academic Council Meeting -11 was held on **Saturday 4<sup>th</sup> August 2018**. Discussions were held in length. The Proceedings of the meeting is enclosed herewith for your kind information.



Dr.P S Puttaswamy)  
Dean (Academic)

**Proceedings of Academic Council Meeting - 11 held on Saturday 4<sup>th</sup> August 2018**

**Members Present:**

**Institutional Members**

Sl. No.	Name	Sl. No.	Name
1.	Dr. V Sridar, Principal, Chairman	14.	Dr.Gopisiddappa
2.	Dr.H V Ravindra, Vice Principal,	15.	Dr.Nagaratna
3.	Dr.P.S. Puttaswamy, Dean (Acad)	16.	Dr. P. Somashekar
4.	Dr.Umesh D R, Dy. Dean (Acad)	17.	Dr.H.P.Mohan Kumar
5.	Dr.K.Narasimhachary	18.	Dr.Puttaswamy
6.	Sri. B Dinesh Prabhu	19.	Dr. H. Ramachandra
7.	Dr. S L Ajit Prasad	20.	Dr.Shivalingegowda
8.	Dr. B.S. Shivakumara	21.	Dr.H.S.Sheshadri
9.	Dr.Minavathi	22.	Dr. B. Shanmukha
10.	Dr.J.Venkatesh	23.	Dr.K.N.Muralidhara
11.	Dr. M.C. Padma	24.	Dr. R Girisha
12.	Dr. K.A. Radhakrishna Rao	25.	Dr. A C Kiran Kumar
13.	Dr. H P Raju		

**Experts from Industry, R & D, Tech. Edn.**

1. Dr. N V Raghavendra, HOD, Mech. Dept. NIE, Mysuru.
2. Dr. M T Aravind, CEO, AMPLEBIT Technologies, Bangalore.
3. Dr. S.K. Prasad, Proffesor, Dept. of Civil Engg SJCE, Mysore
4. Dr. K T Veeramanju, HoD, Dept of E & E Engg., SJCE, Mysuru

**Proceedings:**

The Chairman welcomed honourable Academic Council members and placed the Agenda 1-12 of the meeting for the discussion. The discussion took place at length and the following resolutions were made:

**Agenda 1 - Action taken report of ACM 10**

- Action taken report was brought to the notice of all the members of Academic council. The Suggestions given by the members were recorded and **Approved**

**Agenda 2 - Approval & consideration of CBCS with OBE (2015-16) Scheme of Study and Syllabus for the revised BE Programme of VII & VIII Semester (All branches)**

- **CBCS with OBE (2015-16) Scheme of Study and Syllabus for the revised BE Programme of VII & VIII Semester (All branches)** were discussed and Suggestions were recorded.

- The Honourable members suggested for the inclusion of course like Electric Vehicle in Automobile Engineering Programme and Introduction to Power Electronics specially Inverter in Electronics & Communication Engineering Programme.

➤ Finally, The Scheme of Study and Syllabus got **Approved**

**Agenda 3 - Approval & consideration of CBCS with OBE (2017-18) Scheme of Study and Syllabus for the revised BE Programme of III & IV Semester (All branches)**

➤ **CBCS with OBE (2017-18)** Scheme of Study and Syllabus for the revised BE Programme of III & IV Semester (All branches) were discussed and Suggestions were recorded.

- The Honourable members suggested for the inclusion of course like Energy Efficiency Calculations in Electrical Engineering Programme.

- The Honourable members suggested Internet of Things & Machine Learning as an Open Elective course in any of the B.E. Programme.

➤ Finally, The Scheme of Study and Syllabus got **Approved**

**Agenda 4 - Approval & consideration of CBCS with OBE (2018-19) Scheme of Study and Syllabus for the revised BE Programme.**

- v. *As per VTU / AICTE norms number of credits for the programme has been reduced from 200 to 175 credits*
- vi. *Number of credits for I/ II semester is reduced from 48 to 42 credits*
- vii. *Scheme of I to VIII semester BE (General)*

➤ **CBCS with OBE (2018-19)** General Scheme of Study for the revised BE Programme as per VTU / AICTE norms (Common to all branches) were discussed and Suggestions were recorded.

- The Honourable members suggested for the planning of Internship for those who are not getting in Industry.

➤ Finally, The General Scheme got **Approved**

viii. *Syllabus of I and II Sem BE (Common to All Branches)*

➤ **CBCS with OBE (2018-19)** Syllabus of I & II Semester BE Programme (P18 scheme) were discussed and Suggestions were recorded.

Scheme of Study and Syllabus got **Approved**

**Agenda 5 - Approval & consideration of OBE Scheme and Syllabus for revised M.Tech. Programs (2017-18 scheme) for III & IV semester**

➤ **OBE (2017-18)** Scheme of Study and Syllabus for the revised **M.Tech.** Programs of III & IV Semester (All M.Tech. Programs) were discussed and Suggestions were recorded. Finally, The Scheme of Study and Syllabus got **Approved**



**Agenda 6 - Approval & consideration of OBE Scheme, Syllabus and Scheme of Examinations for revised M.Tech. Programs (P18 scheme)**

- i) *As per VTU/ AICTE norms number of credits for the programme has been reduced from 100 to 88 credits*
  - ii) *Scheme of study I - IV Sem (General)*
  - iii) *The syllabus of M.Tech.(All branches)*
- **OBE Scheme, Syllabus and Scheme of Examinations for M.Tech (I year) Programs were discussed and Suggestions were recorded. Scheme of Study and Syllabus for first year got **Approved****

**Agenda 7 - Approval & consideration of OBE Scheme and Syllabus of MBA Program (2018-19 scheme)**

- **OBE Syllabus and Scheme of Examinations for MBA Program were discussed and Suggestions were recorded. The P17 Scheme of Study and Syllabus was retained and the same as got **Approved****

**Agenda 8 - Approval & consideration of OBE Scheme and Syllabus of MCA Program (2018-19 scheme)**

- **OBE Syllabus and Scheme of Examinations for MCA Program were discussed and Suggestions were recorded. The P18 Scheme of Study and Syllabus designed as per VTU / AICTE model was **Approved****

**Agenda 9 -Results of the Academic Year 2017-18**

- **Approved**

**Agenda 10 - Rank Holders and Eligible Candidates for the Award of Degree**

- **Approved**

**Agenda 11- Conduction of Ninth Graduation Day on 25<sup>th</sup> August 2018**

- Brought to all the AC members notice and invited for the 9<sup>th</sup> Graduation Day celebration.

**Agenda 12 - Any other matters**

**Agenda 12a– Academic Rules & Regulations for UG / PG Programs**

- **Academic Rules & Regulations for UG / PG Programs were discussed and Suggestions were recorded and the same was **Approved****

During the discussion honourable members gave suggestion and expressed their views in general about the academic issues. The suggestions were given regarding relative grading in the system to maintain uniformity among all programs and the same were recorded.

At the end the chairman expressed his sincere thanks to all the members and assured that the suggestion given by the members will be considered and implemented in due course.

**Copy To**

- 1) *The Principal, for kind information*
- 2) *Controller of Examinations*
- 3) *Nominees of the VTU*
- 4) *Experts from outside the college representing areas such as Industry, R & D., Tech Edn.*
- 5) *The Head (Physics, Chemistry, Mathematics, All BE &M.Tech. Engg., MCA, MBA Depts.), for needful*
- 6) *Teachers of the college representing different level of teaching staff.*

<b>IV</b>	<b>Academic Calendar for Odd Semester of AY 2019 -20</b>
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<b>B.E - III, V &amp; VII SEM</b>	<b>MCA - III &amp; V SEM</b>	<b>MBA – III SEM</b>	<b>M.Tech – III SEM</b>
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Sl. No.	Date	Day	Remarks
1	29-7-2019	Monday	<i>Course Registration</i>
2	30-7-2019	Tuesday	<i>Commencement of classes</i>
3	16-8-2019	Friday	Verification of Course Registration forms by Students/Mentors/HODs.
4	19-8-2019	Monday	<i>Submission of Application form SEE</i>
5	31-8-2019	Saturday	<i>Last date to withdraw from the course</i>
6	27-9-2019	Friday	Submission of Assignment-I
7	3-10-2019	Thursday	<i>* Test - I &amp; Quiz – I</i>
8	4-10-2019	Friday	<i>* Test - I &amp; Quiz – I</i>
9	5-10-2019	Saturday	<i>* Test - I &amp; Quiz – I</i>
10	12-10-2019	Saturday	<i>Submission of Test - I &amp; Quiz - I marks to COE</i>
11	9-11-2019	Saturday	Regular classes / <i>Submission of Assignment-II</i>
12	11-11-2019	Monday	<i>* Test - II &amp; Quiz – II</i>
13	12-11-2019	Tuesday	<i>* Test - II &amp; Quiz – II</i>
14	13-11-2019	Wednesday	<i>* Test - II &amp; Quiz – II</i>
15	23-11-2019	Saturday	<i>Submission of Test -II &amp; Quiz - II marks to COE</i>
16	25-11-2019	Monday	Posting of Attendance online
17	25-11-2019	Monday	<i>Makeup Test</i>
18	26-11-2019	Tuesday	<i>Makeup Test</i>
19	27-11-2019	Wednesday	<i>Makeup Test</i>
20	30-11-2019	Saturday	Last teaching Day & Posting of CIE online
21	2-12-2019 to 11-12-2019		SEE Practical Exam
22	13-12-2019 to 31-12-2019		SEE Theory Exam

Total number of Odd semester working days=97

06 Days for Test/Quiz =06 days

Department Activities=03 Days

Total number of Regular Class workdays = 87

$(97 - 9) = 86/6 = 14.6$  weeks \*4 classes/week/subject=58 classes/subject/semester

<b>B.E - I SEM</b>	<b>MCA - I SEM</b>	<b>MBA – I SEM</b>	<b>M.Tech – I SEM</b>
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Sl. No.	Date	Day	Remarks
1	14-8-2019	Wednesday	<i>Orientation program(Morning Session)</i>
			<i>Course Registration(Afternoon session)</i>
2	15-8-2019	Thursday	<i>Induction program</i>
3	3-09-2019	Tuesday	Verification of Course Registration forms by Students/Mentors/HODs.
4	10-9-2019	Tuesday	<i>Last date to withdraw from the course</i>
	16-9-2019 to 20-9-2019		Submission of filled in SEE Application form
5	27-9-2019	Friday	Submission of Assignment-I
6	3-10-2019	Thursday	<i>* Test - I &amp; Quiz – I</i>
7	4-10-2019	Friday	<i>* Test - I &amp; Quiz – I</i>
8	5-10-2019	Saturday	<i>* Test - I &amp; Quiz – I</i>
9	12-10-2019	Saturday	Submission of Test - I & Quiz - I marks to COE
10	9-11-2019	Saturday	Regular classes / Submission of Assignment-II
11	11-11-2019	Monday	<i>* Test - II &amp; Quiz – II</i>
12	12-11-2019	Tuesday	<i>* Test - II &amp; Quiz – II</i>
13	13-11-2019	Wednesday	<i>* Test - II &amp; Quiz – II</i>
14			Posting of Attendance online
15	23-11-2019	Saturday	Submission of Test -II & Quiz - II marks to COE
16	25-11-2019	Monday	Makeup Test
17	26-11-2019	Tuesday	Makeup Test
18	27-11-2019	Wednesday	Makeup Test
19	30-11-2019	Saturday	Last teaching Day & Posting of CIE online
20	02-12-2019-to 11-12-2019		SEE Practical Exam
21	13-12-2019-to 31-12-2019		SEE Theory Exam

Total number of Odd semester working days=75

06 Days for Test/Quiz = 06 days

Total number of Regular Class for I – Semester

$(80-14) = 69/6 = 11.5$  week \* 4 classes/week/subject=46 classes/subject for

One extra theory class per subject for six weeks

And two extra lab sessions is to be planned on two Saturday afternoon session

<b>V</b>	<b>Syllabus as per AICTE / VTU Model Curriculum from AY 2018 – 19 Onwards</b>
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As per AICTE / VTU Model curriculum the total number of credits required to be earned by a student to qualify for the award of Degree shall be as given in table below.

<b>Table: Total Number of Credits to Qualify for Degree Award</b>			
<b>Programme</b>		<b>Normal Duration: Years (Semesters)</b>	<b>Total number of Credits to be Earned</b>
<b>UG Degree</b>	<i>B.E.</i>	4 (8)	175
	<i>B.E. (Lateral)</i>	3 (6)	135
<b>PG Degree</b>	<i>M. Tech.</i>	2 (4)	88
	<i>M.B.A.</i>	2 (4)	100
	<i>M.C.A.</i>	3 (6)	132
	<i>M.C.A. (Lateral)</i>	2 (4)	88

The detailed Scheme & Syllabus for BE programme is placed for following ratification by the academic council members.

- Two courses added in B.E. P18 scheme i.e. each course in III & IV Semester.
- The second year syllabus (P18 Scheme) is submitted for kind approval from ACM
- The third year syllabus (P17 Scheme) is submitted for kind approval from ACM.

#### B.E. P18 scheme

<b>I – Semester [ Physics Group ]</b>										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18MA11	Engineering Mathematics - I	MA	4	-	-	4	50	50	100
2	P18PH12	Engineering Physics	PH	4	-	-	4	50	50	100
3	P18CV13	Engineering Mechanics	CV	3	-	-	3	50	50	100
4	P18ME14	Elements of Mechanical Engineering	ME	3	-	-	3	50	50	100
5	P18EE15	Basic Electrical Engineering	EE	3	-	-	3	50	50	100
6	P18MEL16	Basic Mechanical Engineering Science Laboratory	ME	-	-	3	1.5	50	50	100
7	P18PHL17	Engineering Physics Laboratory	PH	-	-	3	1.5	50	50	100
8	P18HU18	Effective Communication Development (ECD)	HM	-	2	-	1	50	50	100
9	P18HM19	*Indian Constitution, Human Rights & Professional Ethics (ICHRPE)	HM	2	-	-	-	(50)	-	-
<b>Total</b>							<b>21</b>	<b>400</b>	<b>400</b>	<b>800</b>

*MA : Mathematics; PH : Physics; CV : Civil Engg; ME : Mech, Engg; EE: E & E Engg; HM : Humanities;*  
*\*ICHRPE :- Students shall have to pass these Mandatory Learning Course/s before completion of IV Semester.*

<b>I – Semester [ Chemistry Group ]</b>										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18MA11	Engineering Mathematics - I	MA	4	-	-	4	50	50	100
2	P18CH12	Engineering Chemistry	CH	4	-	-	4	50	50	100
3	P18CS13	C and Basics of Python programming	CS	3	-	-	3	50	50	100
4	P18MED14	Computer Aided Engineering Drawing	ME	1	-	4	3	50	50	100
5	P18EC15	Basic Electronics	EC	3	-	-	3	50	50	100
6	P18CSL16	C and Basics of Python programming Laboratory	CS	-	-	3	1.5	50	50	100
7	P18CHL17	Engineering Chemistry Laboratory	CH	-	-	3	1.5	50	50	100
8	P18HU18	Effective Communication Development (ECD)	HM	-	2	-	1	50	50	100
9	P18EV19	*Environmental Studies	CV	2	-	-	-	(50)	-	-
10	P18HM110	*Language (Kan.)	HM	2	-	-	-	(50)	-	-
<b>Total</b>							<b>21</b>	<b>400</b>	<b>400</b>	<b>800</b>

*MA : Mathematics; CH : Chemistry; CV : Civil Engg; ME : Mech, Engg; CS : Comp. & Engg; EC: E & C Engg;*  
*HM : Humanities*  
*\*Env. Studies /Language (Kannada):- Students shall have to pass these Mandatory Learning Course/s before completion of IV- Semester*

II – Semester [ Physics Group ]										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18MA21	Engineering Mathematics – II	MA	4	-	-	4	50	50	100
2	P18PH22	Engineering Physics	PH	4	-	-	4	50	50	100
3	P18CV23	Engineering Mechanics	CV	3	-	-	3	50	50	100
4	P18ME24	Elements of Mechanical Engineering	ME	3	-	-	3	50	50	100
5	P18EE25	Basic Electrical Engineering	EE	3	-	-	3	50	50	100
6	P18MEL26	Basic Mechanical Engineering Science Laboratory	ME	-	-	3	1.5	50	50	100
7	P18PHL27	Engineering Physics Laboratory	PH	-	-	3	1.5	50	50	100
8	P18HU28	Professional Communication Development (PCD)	HM	-	2	-	1	50	50	100
9	P18HM29	*Indian Constitution, Human Rights & Professional Ethics(ICHRPE)	HM	2	-	-	-	(50)	-	-
<b>Total</b>							<b>21</b>	<b>400</b>	<b>400</b>	<b>800</b>

MA : Mathematics; PH : Physics; CV :Civil Engg; ME : Mech, Engg; EE: E & E Engg; HM : Humanities;  
 \*ICHRPE :- Students shall have to pass these Mandatory Learning Course/s before completion of IV Semester.

II – Semester [ Chemistry Group ]										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18MA21	Engineering Mathematics – II	MA	4	-	-	4	50	50	100
2	P18CH22	Engineering Chemistry	CH	4	-	-	4	50	50	100
3	P18CS23	C and Basics of Python programming	CS	3	-	-	3	50	50	100
4	P18MED24	Computer Aided Engineering Drawing	ME	1	-	4	3	50	50	100
5	P18EC25	Basic Electronics	EC	3	-	-	3	50	50	100
6	P18CSL26	C and Basics of Python programming Laboratory	CS	-	-	3	1.5	50	50	100
7	P18CHL27	Engineering Chemistry Laboratory	CH	-	-	3	1.5	50	50	100
8	P18HU28	Professional Communication Development	HM	-	2	-	1	50	50	100
9	P18EV29	*Environmental Studies	CV	2	-	-	-	(50)	-	-
10	P18HM210	*Language (Kannada)	HM	2	-	-	-	(50)	-	-
<b>Total</b>							<b>21</b>	<b>400</b>	<b>400</b>	<b>800</b>

MA : Mathematics; CH : Chemistry; CV :Civil Engg; ME : Mech, Engg; CS : Comp. &Engg; EC: E & C Engg;  
 HM : Humanities  
 \*Env. Studies /Language (Kannada):- Students shall have to pass these Mandatory Learning Course/s before completion of IV- Semester

III – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18MA31	*/** Engineering Mathematics - III	MA	4	-	-	4	50	50	100
2	P18XX32	Core Course - I	XX	3	-	-	3	50	50	100
3	P18XX33	Core Course - II	XX	3	-	-	3	50	50	100
4	P18XX34	Core Course - III	XX	3	-	-	3	50	50	100
5	P18XX35	Core Course - IV	XX	3	-	-	3	50	50	100
6	P18XX36	Foundation Course - I	XX	2	2	-	3	50	50	100
7	P18XXX37	Laboratory - I	XXX	-	-	3	1.5	50	50	100
8	P18XXX38	Laboratory - II	XXX	-	-	3	1.5	50	50	100
9	P18HU39	*Aptitude and Reasoning Development - Basics (ARDB)	HM	2	-	-	-	50	-	-
10	P18HUDIP310	*Comprehensive Communication Development (CCD)	HM	2	-	-	[2]	[50]	[50]	[100]
11	P18HUDIP311	*Indian Constitution, Human Rights & Professional Ethics (ICHRPF)	HM	2	-	-	-	(50)	-	-
12	P18MADIP31	*Additional Mathematics - I	MA	4	-	-	-	(50)	-	-
<b>Total</b>							<b>22</b>	<b>400</b>	<b>400</b>	<b>800</b>
							<b>[24]</b>	<b>[450]</b>	<b>[450]</b>	<b>[900]</b>

\* ECD / ICHRP / Additional Mathematics-I: Lateral entry (i.e. Diploma) students shall have to pass these mandatory learning courses before completion of VI- Semester. CIE only for 50 marks.  
 \*ARDB: All students shall have to pass this mandatory learning courses before completion of VI- Semester  
 + Common to BE (AU, CV, ME and I&PE)  
 \*\* Common to BE (CS, EC, E&E and IS&E)

IV – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18MA41	+/** Engineering Mathematics - IV	MA	4	-	-	4	50	50	100
2	P18XX42	Core Course - I	XX	3	-	-	3	50	50	100
3	P18XX43	Core Course - II	XX	3	-	-	3	50	50	100
4	P18XX44	Core Course - III	XX	3	-	-	3	50	50	100
5	P18XX45	Core Course - IV	XX	3	-	-	3	50	50	100
6	P18XX46	Foundation Course - II	XX	2	2	-	3	50	50	100
7	P18XXX47	Laboratory - I	XXX	-	-	3	1.5	50	50	100
8	P18XXX48	Laboratory - II	XXX	-	-	3	1.5	50	50	100
9	P18HU49	Aptitude and Reasoning Development - Intermediate (ARDI)	HM	2	-	-	1	50	50	100
10	P18EVDIP50	*Environmental Studies	HM	2	-	-	-	(50)	-	-
11	P17MADIP41	*Additional Mathematics - II	MA	4	-	-	-	(50)	-	-
<b>Total</b>							<b>23</b>	<b>450</b>	<b>450</b>	<b>900</b>

\* Additional Mathematics-II & Environmental Studies: Lateral entry (i.e. Diploma) students shall have to pass these mandatory learning courses before completion of VI- Semester. CIE only for 50 marks.

+ Common to BE (AU, CV, ME and I&PE)

\*\* Common to BE (CS, EC, E&E and IS&E)

V – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18XX51	Management and Entrepreneurship (The course must be related to Management and Entrepreneurship. However, the title and syllabus content can be as per the programme requirement).	XX	4	-	-	4	50	50	100
2	P18XX52	Core Course - I	XX	4	-	-	4	50	50	100
3	P18XX53	Core Course - II	XX	4	-	-	4	50	50	100
4	P18XX54	Core Course - III	XX	4	-	-	4	50	50	100
5	P18XX55X	Professional Elective - I	XX	2	2	-	3	50	50	100
6	P18XXX56	Laboratory - I	XXX	-	-	3	1.5	50	50	100
7	P18XXX57	Laboratory - II	XXX	-	-	3	1.5	50	50	100
8	P18XXX58	Skill Oriented Laboratory - I	XXX	-	-	2	1	50	50	100
9	P18HU59	Aptitude and Reasoning Development - Advance (ARDI)	HM	-	2	-	1	50	50	100
10	P18XX510	Technical Skills - I	XX	-	2	-	1	50	50	100
<b>Total</b>							<b>25</b>	<b>500</b>	<b>500</b>	<b>1000</b>
				<b>Professional Elective - I</b>						
		<b>Sl. No</b>	<b>Course Code</b>	<b>Course title</b>						
		1.	P18XX551							
		2.	P18XX552							
		3.	P18XX553							
		4.	P18XX554							

VI – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18XX61	Core Course - I	XX	4	-	-	4	50	50	100
2	P18XX62	Core Course - II	XX	4	-	-	4	50	50	100
3	P18XX63	Core Course - III	XX	4	-	-	4	50	50	100
4	P18XX64X	Professional Elective - II	XX	2	2	-	3	50	50	100
5	P18XX65X	Open Elective-I	XX	3	-	-	3	50	50	100
6	P18XXX66	Laboratory - I	XXX	-	-	3	1.5	50	50	100
7	P18XXX67	Laboratory - II	XXX	-	-	3	1.5	50	50	100
8	P18XXX68	Skill Oriented Laboratory - II	XXX	-	-	2	1	50	50	100
9	P18XX69	Technical Skills - II	XX	2	-	-	1	50	50	100
<b>Total</b>							<b>23</b>	<b>450</b>	<b>450</b>	<b>900</b>
				<b>List of Electives</b>						
				<b>Professional Elective - II</b>			<b>Open Elective – I</b>			
		<b>Sl. No</b>	<b>Course Code</b>	<b>Course title</b>	<b>Sl. No.</b>	<b>Course Code</b>	<b>Course title</b>			
		1.	P18XX641		1.	P18XX651				
		2.	P18XX642		2.	P18XX652				
		3.	P18XX643		3.	P18XX653				
		4.	P18XX644		4.	P18XX654				

VII – Semester

Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks			
				L	T	P		CIE	SEE	Total	
1	P18XX71	Core Course - I	XX	4	-	-	4	50	50	100	
2	P18XX72	Core Course - II	XX	4	-	-	4	50	50	100	
3	P18XX73	Core Course - III	XX	4	-	-	4	50	50	100	
4	P18XX74X	Professional Elective - III	XX	2	1	-	3	50	50	100	
5	P18XX75X	Open Elective - II	XX	3	-	-	3	50	50	100	
6	P18XX76	Laboratory - I	XXX	-	-	3	1.5	50	50	100	
7	P18XX77	Laboratory - II	XXX	-	-	3	1.5	50	50	100	
8	P18XX78	Project Work Phase – I and Project seminar	XXX	-	-	4	2	100	-	100	
<b>Total</b>							<b>23</b>	<b>450</b>	<b>350</b>	<b>800</b>	
<b>List of Electives</b>											
<b>Professional Elective - III</b>				<b>Open Elective – II</b>							
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course title</b>	<b>Sl. No.</b>	<b>Course Code</b>	<b>Course title</b>						
1.	P18XX741		1.	P18XX751							
2.	P18XX742		2.	P18XX752							
3.	P18XX743		3.	P18XX753							
4.	P18XX744		4.	P18XX754							

VIII – Semester

Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1	P18XX81	Core Course	XXX	4	-	-	4	50	50	100
2	P18XX82X	Professional Elective - IV	XXX	2	1	-	3	50	50	100
3	P18XX83	Internship	XXX	-	-	-	2	-	50	50
4	P18XX84	Project Work Phase – II	XXX	-	-	-	6	100	100	200
5	P18XX85	Self study course & Seminar	XXX	-	-	4	2	50	-	50
<b>Total</b>							<b>17</b>	<b>250</b>	<b>250</b>	<b>500</b>
<b>Professional Elective - IV</b>										
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course title</b>								
1.	P18XX821									
2.	P18XX822									
3.	P18XX823									
4.	P18XX824									

Master of technology – Scheme

I – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1.	P18XXXX11	Core Course - I	XX	4	-	-	4	50	50	100
2.	P18XXXX12	Core Course – II	XX	4	-	-	4	50	50	100
3.	P18XXXX13	Core Course - III	XX	4	-	-	4	50	50	100
4.	P18XXXX14X	Elective – I	XX	3	2	-	4	50	50	100
5.	P18XXXX15X	Elective – II	XX	3	2	-	4	50	50	100
6.	P18XXXXL16	Laboratory -I	XX	-	-	4	2	50	50	100
<b>Total</b>							<b>22</b>	<b>300</b>	<b>300</b>	<b>600</b>
<b>List of Electives</b>										
<b>Elective - I</b>				<b>Elective – II</b>						
<b>Sl. No</b>	<b>Course Code</b>	<b>Course title</b>	<b>Sl. No.</b>	<b>Course Code</b>	<b>Course title</b>					
1.	P18XXXX141		1.	P18XXXX151						
2.	P18XXXX142		2.	P18XXXX152						

II – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1.	P18XXXX21	Core Course - I	XX	4	-	-	4	50	50	100
2.	P18XXXX22	Core Course – II	XX	4	-	-	4	50	50	100
3.	P18XXXX23	Core Course - III	XX	4	-	-	4	50	50	100
4.	P18XXXX24X	Elective – I	XX	3	2	-	4	50	50	100
5.	P18XXXX25X	Elective – II	XX	3	2	-	4	50	50	100
6.	P18XXXXL26	Laboratory -I	XX	-	-	4	2	50	50	100
<b>Total</b>							<b>22</b>	<b>300</b>	<b>300</b>	<b>600</b>
<b>List of Electives</b>										
<b>Elective - I</b>				<b>Elective – II</b>						
<b>Sl. No</b>	<b>Course Code</b>	<b>Course title</b>	<b>Sl. No.</b>	<b>Course Code</b>	<b>Course title</b>					
1.	P18XXXX241		1.	P18XXXX251						
2.	P18XXXX242		2.	P18XXXX252						

III – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1.	P18XXXX31	Self Study Course	XX	-	2	2	4	50	50	100
2.	P18MHSM32	Pedagogy/ Research Methodology	HS&M	3	2	-	4	100	-	100
3.	P18XXXX33	Seminar	XX	-	-	-	2	100	-	100
4.	P18XXXX34	Project –Phase – I	XX	-	-	-	4	100	-	100
5.	P18XXXX35	Project –Phase-II	XX	-	-	-	4	100	-	100
6.	P18XXXX36	Industrial Training	XX	-	-	-	4	100	-	100
<b>Total</b>							<b>22</b>	<b>550</b>	<b>50</b>	<b>600</b>



IV – Semester										
Sl. No.	Course Code	Course Title	Teaching Department	Hrs / Week			Credits	Examination Marks		
				L	T	P		CIE	SEE	Total
1.	P18XXXX41	Project –Phase-III	XX	-	-	-	4	100	-	100
2.	P18XXXX42	Project –Phase-IV(Thesis Evaluation)	XX	-	-	-	8	100	-	100
3.	P18XXXX43	Project –Phase-V(Viva-Voce)	XX	-	-	-	8	-	100	100
4.	P18XXXX44	Term Paper	XX	-	-	-	2	100	-	100
<b>Total</b>							<b>22</b>	<b>300</b>	<b>100</b>	<b>400</b>

**Master of Computer Application – Scheme**

**I SEMESTER**

Sl. No	Course Code	Course Title	Hrs/Week L : T : P : H	Credits	Examination Marks		
					CIE	SEE	Total
1	P18MCA11	Problem Solving Using C	4 : 0 : 0 : 4	4	50	50	100
2	P18MCA12	Discrete Mathematical Structures	4 : 0 : 0 : 4	4	50	50	100
3	P18MCA13	Fundamentals of Computer Organization	4 : 0 : 0 : 4	4	50	50	100
4	P18MCA14	Introduction to UNIX	4 : 0 : 0 : 4	4	50	50	100
5	P18MCA15	Introduction to Web Technologies	0 : 3 : 3 : 6	3	50	50	100
6	P18MCA16	C Programming Lab	0 : 0 : 2 : 2	1	50	50	100
7	P18MCA17	UNIX Programming Lab	0 : 0 : 2 : 2	1	50	50	100
8	P18MHU101	Effective Communication Development (ECD)*	1 : 0 : 0 : 1	1	50	50	100
<b>Total</b>			<b>27</b>	<b>22</b>	<b>400</b>	<b>400</b>	<b>800</b>

L: Lecture, T: Tutorial, P: Practical, H: Total Hours; CIE: Continuous Internal Evaluation; SEE: Semester End Examinations

\* Taught by Humanities Science and Management Department

**II SEMESTER**

Sl. No	Course Code	Course Title	Hrs/Week L : T : P : H	Credits	Examination Marks		
					CIE	SEE	Total
1	P18MCA21	Data Structures Using C	4 : 1 : 0 : 5	4.5	50	50	100
2	P18MCA22	Object Oriented Programming With C++	3 : 2 : 0 : 5	4	50	50	100
3	P18MCA23	Operating Systems	4 : 0 : 0 : 4	4	50	50	100
4	P18MCA24	Database Management Systems	4 : 0 : 0 : 4	4	50	50	100
5	P18MCA25	Data Structures Lab	0 : 0 : 3 : 3	1.5	50	50	100
6	P18MCA26	Object Oriented Programming With C++ Lab	0 : 0 : 3 : 3	1.5	50	50	100
7	P18MCA27	Database Management Systems Lab	0 : 0 : 3 : 3	1.5	50	50	100
8	P18MHU201	Professional Communication Development. (PCD)*	1 : 0 : 0 : 1	1	50	50	100
<b>Total</b>			<b>28</b>	<b>22</b>	<b>400</b>	<b>400</b>	<b>800</b>

**III SEMESTER**

Sl. No	Course Code	Course Title	Hrs/Week	Credits	Examination		
			L : T : P : H		Marks		
					CIE	SEE	Total
1	P18MCA31	Programming with Java	3 : 0 : 0 : 3	3	50	50	100
2	P18MCA32	Software Engineering	3 : 0 : 0 : 3	3	50	50	100
3	P18MCA33	Python Programming	3 : 0 : 0 : 3	3	50	50	100
4	P18MCA34	Object-Oriented Modelling and Design Patterns	3 : 0 : 0 : 3	3	50	50	100
5	P18MCA35X	Elective - I	3 : 2 : 0 : 5	4	50	50	100
6	P18MCA36	Java Programming Lab	0 : 0 : 2 : 2	1	50	50	100
7	P18MCA37	Python Programming Lab	0 : 0 : 2 : 2	1	50	50	100
8	P18MCA38	Object-Oriented Modelling and Design Patterns Lab	0 : 0 : 2 : 2	1	50	50	100
9	P18MHU301	Aptitude and Reasoning Development-BEGINNER (ARDB)*	1 : 0 : 0 : 1	1	50	50	100
<b>Total</b>			<b>24</b>	<b>20</b>	<b>450</b>	<b>450</b>	<b>900</b>

**ELECTIVES**

Sl. No.	Course code	Elective Group - I
1	P18MCA351	Computer Networks
2	P18MCA352	Accountancy and Financial Management
3	P18MCA353	Computer Graphics
4	P18MCA354	Graph Theory and Combinatorics

**IV SEMESTER**

Sl. No.	Course Code	Course Title	Hrs/Week	Credits	Examination		
			L : T : P : H		Marks		
					CIE	SEE	Total
1	P18MCA41	Design & Analysis of Algorithms	3 : 0 : 0 : 3	3	50	50	100
2	P18MCA42	Advanced Java Programming	3 : 0 : 0 : 3	3	50	50	100
3	P18MCA43X	Elective - II	3 : 2 : 0 : 5	4	50	50	100
4	P18MCA44X	Elective - III	4 : 0 : 0 : 4	4	50	50	100
5	P18MCA45X	Elective - IV	4 : 0 : 0 : 4	4	50	50	100
6	P18MCA46	Design & Analysis of Algorithms Lab	0 : 0 : 2 : 2	1	50	50	100
7	P18MCA47	Advanced Java Programming Lab	0 : 0 : 2 : 2	1	50	50	100
8	P18MCA49	Technical Seminar	0 : 0 : 0 : 4	2	50	--	50
9	P18MHU401	Aptitude and Reasoning Development ADVANCED (ARDA)*	2 : 0 : 0 : 2	1	50	50	100
<b>Total</b>			<b>29</b>	<b>23</b>	<b>450</b>	<b>400</b>	<b>850</b>

**ELECTIVES**

Sl. No.	Course code	Elective Group - II	Sl. No.	Course code	Elective Group - III
1	P18MCA431	Data Warehousing & Data Mining	1	P18MCA441	Cryptography & Network Security
2	P18MCA432	Digital Image Processing	2	P18MCA442	Artificial Intelligence
3	P18MCA433	Principles of User Interface Design	3	P18MCA443	Distributed Computing
4	P18MCA434	Network Security	4	P18MCA444	Cloud Computing

Sl. No.	Course code	Elective Group - IV
1	P18MCA451	Research Methodology
2	P18MCA452	Business Communication
3	P18MCA453	Software Testing & Practices
4	P18MCA454	Basics of MIS & E-Commerce

**V SEMESTER**

Sl. No	Course Code	Course Title	Hrs/Week L : T : P: H	Credits	Examination		
					Marks		
					CIE	SEE	Total
1	P18MCA51	Programming using C# and .NET	3 : 0 : 0 : 3	3	50	50	100
2	P18MCA52X	Elective - V	4 : 0 : 0 : 4	4	50	50	100
3	P18MCA53X	Elective - VI	4 : 0 : 0 : 4	4	50	50	100
4	P18MCA54X	Elective - VII	3 : 2 : 0 : 5	4	50	50	100
5	P18MCA56	.NET Lab	0 : 0 : 2 : 2	1	50	50	100
6	P18MCA57	Mini Project	0 : 0 : 6 : 6	3	50	50	100
7	P18MCA58	Industrial Study Report	-----	1	50	-	-
<b>Total</b>			<b>26</b>	<b>20</b>	<b>350</b>	<b>300</b>	<b>600</b>

**ELECTIVES**

Sl. No.	Course code	Elective Group – V	Sl. No.	Course code	Elective Group - VI
1	P18MCA551	System Simulation and Modeling	1	P18MCA561	Information Retrieval & Search Engines
2	P18MCA552	Soft Computing	2	P18MCA562	Business Intelligence - Data Warehousing and Analytics
3	P18MCA553	Big Data and Analytics	3	P18MCA563	IOT
4	P18MCA554	Service Oriented Architecture	4	P18MCA564	Machine Learning

Sl. No.	Course code	Elective Group – VII
1	P18MCA571	Advanced Web Programming
2	P18MCA572	Enterprise Application Programming
3	P18MCA573	Model View Control Programming
4	P18MCA574	Mobile Application Development

**VI SEMESTER**

Sl. No	Course Code	Course Title	Hrs/Week	Credits	Examination		
			L : T : P:H		Marks		
					CIE	SEE	Total
1	P18MCA61	Project Phase-1	-----	3	50	-----	50
2	P18MCA62	Project Phase-2	-----	3	50	-----	50
3	P18MCA63	Project Dissertation Evaluation	-----	9	-----	100	100
4	P18MCA64	Project Viva - Voce	-----	10	-----	100	100
<b>TOTAL</b>			-----	<b>25</b>	<b>100</b>	<b>200</b>	<b>300</b>

**Master of Business Administration (M B A) - Scheme**

FIRST SEMESTER							
SL NO	COURSE CODE	COURSE	CREDIT PATTERN L:T:P:H	TOTAL CREDITS	EXAMINATION		
					MARKS		
					CI E	SE E	TOTAL
1	P18 MBA 11	Accounting For Managers	4:0:0:4	3	50	50	100
2	P18 MBA 12	Marketing Management	4:0:0:4	3	50	50	100
3	P18 MBA 13	Management Fundamentals & Organizational Behavior	4:0:0:4	3	50	50	100
4	P18 MBA 14	Management Information System	4:0:0:4	3	50	50	100
5	P18 MBA 15	Business Analytics	4:0:0:4	3	50	50	100
6	P18 MBA 16	Business Economics	4:0:0:4	3	50	50	100
7	P18 MBA 17	Business Communication	3:0:1:4	4	50	50	100
8	P18 MBA18	Seminar	0:0:4:4	2	50	-	50
<b>TOTAL</b>				<b>24</b>	<b>400</b>	<b>350</b>	<b>750</b>

**SECOND SEMESTER**

SL NO	COURSE CODE	COURSE	CREDIT PATTERN L:T:P:H	TOTAL CREDITS	EXAMINATION		
					MARKS		
					CIE	SEE	TOTAL
1	P18 MBA 21	Financial Management	4:0:0:4	3	50	50	100
2	P18 MBA 22	Quantitative Techniques	4:0:0:4	3	50	50	100
3	P18 MBA 23	Human Resource Management	4:0:0:4	3	50	50	100
4	P18 MBA 24	Business Research Methods	4:0:0:4	3	50	50	100
5	P18 MBA 25	International Business Management	4:0:0:4	3	50	50	100
6	P18 MBA 26	Work Place Ethics	4:0:0:4	3	50	50	100
7	P18 MBA 27	Corporate Communication	3:0:1:4	4	50	50	100
8	P18 MBA 28	Seminar	0:0:4:4	2	50	-	50
<b>TOTAL</b>				<b>24</b>	<b>400</b>	<b>350</b>	<b>750</b>

THIRD SEMESTER							
SL NO	COURSE CODE	COURSE	CREDIT PATTERN L:T:P:H	TOTAL CREDITS	EXAMINATION MARKS		
					CIE	SEE	TOTAL
					1	P18 MBA 31	Supply Chain Management
2	P18MBA 32	Project Management	4:0:0:4	3	50	50	100
3	P18 MBA 33	Seminar	0:0:0:4	2	50	-	50
4	P18MBA34	Computer Lab	1:0:2:3	2	50	-	50
5	P18MBA EL 1	Elective 1	4:0:0:4	3	50	50	100
6	P18 MBA EL 2	Elective 2	4:0:0:4	3	50	50	100
7	P18 MBA EL 3	Elective 3	4:0:0:4	3	50	50	100
8	P18MBA EL 4	Elective 4	4:0:0:4	3	50	50	100
TOTAL				22	400	300	700

FINANCIAL MANAGEMENT		
P18 MBA EL 1	MBA 3F1	Financial Services and Banking Practices
P18 MBA EL 2	MBA 3F2	Mergers, Acquisitions and Corporate Restructuring
P18 MBA EL 3	MBA 3F3	Advanced Financial Management
P18MBA EL 4	MBA 3F4	Investment Management
HUMAN RESOURCE MANAGEMENT		
P18MBA EL 1	MBA 3H1	Organization Structure, Process & Design
P18 MBA EL 2	MBA 3H2	Legal Environment & Industrial Legislation
P18 MBA EL 3	MBA 3H3	Team Development & Leadership
P18 MBA EL 4	MBA 3H4	Strategic Human Resource Management
MARKETING MANAGEMENT		
P18 MBA EL 1	MBA 3M1	Consumer Behaviour
P18 MBA EL 2	MBA 3M2	Service Marketing
P18 MBA EL 3	MBA 3M3	Industrial Marketing
P18 MBA EL 4	MBA 3M4	Rural Marketing

**DUAL SPECIALIZATION**

Marketing & Finance Specialization		Marketing & Human Resource Specialization		Finance & Human Resource Specialization	
MBA 3M1	Consumer Behaviour	MBA 3M1	Consumer Behaviour	MBA 3F1	Financial Services and Banking Practices
MBA 3M2	Service Marketing	MBA 3M2	Service Marketing	MBA 3F2	Mergers, Acquisitions and Corporate Restructuring
MBA 3F1	Financial Services and Banking Practices	MBA 3H1	Organization Structure, Process & Design	MBA 3H1	Organization Structure, Process & Design
MBA 3F2	Mergers, Acquisitions and Corporate Restructuring	MBA 3H2	Legal Environment & Industrial Legislation	MBA 3H2	Legal Environment & Industrial Legislation

FOURTH SEMESTER							
SL NO	COURSE CODE	COURSE	Hours /week Pattern L:T:P:H	TOTAL CRED ITS	EXAMINATION MARKS		
					CIE	SEE	TOTAL
1	P18 MBA 41	Entrepreneurship Development	4:0:0:4	3	50	50	100
3	P18 MBA 42	Project Work-Evaluation	-----	10	-	100	100
4	P18MBA 43	Project Work-Viva Voce	-----	5	-	50	50
5	P18 MBA EL 1	Elective 5	4:0:0:4	3	50	50	100
6	P18 MBA EL 2	Elective 6	4:0:0:4	3	50	50	100
7	P18 MBA EL 3	Elective 7	4:0:0:4	3	50	50	100
8	P18 MBA EL 4	Elective 8	4:0:0:4	3	50	50	100
TOTAL				30	250	400	650

**FINANCIAL MANAGEMENT**

P18 MBA EL 5	MBA 4F1	Portfolio Management
P18 MBA EL 6	MBA 4F2	International Financial Management
P18 MBA EL 7	MBA 4F3	Risk Management
P18 MBA EL 8	MBA 4F4	Tax Management

**MARKETING MANAGEMENT**

P18 MBA EL 5	MBA 4M1	International Marketing Management
P18 MBA EL 6	MBA 4M2	Strategic Brand Management
P18 MBA EL 7	MBA 4M3	Integrated Marketing Communication
P18 MBA EL 8	MBA 4M4	Retail Management

**HUMAN RESOURCE MANAGEMENT**

P18 MBA EL 5	MBA 4H1	International Human Resource Management
P18 MBA EL 6	MBA 4H2	Organizational Change & Development
P18 MBA EL 7	MBA 4H3	Training & Development
P18 MBA EL 8	MBA 4H4	Personal Growth & Inter personal Effectiveness

**DUAL SPECIALIZATION**

Marketing & Finance Specialization		Marketing & Human Resource Specialization		Finance & Human Resource Specialization	
MBA 4M1	International Marketing Management	MBA 4M1	International Marketing Management	MBA 4F1	Portfolio Management
MBA 4M2	Strategic Brand Management	MBA 4M2	Strategic Brand Management	MBA 4F2	Risk Management
MBA 4F1	Portfolio Management	MBA 4H1	International Human Resource Management	MBA 4H1	International Human Resource Management
MBA 4F2	Risk Management	MBA 4H2	Organizational Change & Development	MBA 4H2	Organizational Change & Development

<b>VI</b>	<b>Approval of Proceedings of the BOS meetings for the academic year 2019-20</b>
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The BOS meetings for this academic year are conducted by the respective departments on the following dates for framing the syllabus of III & IV Semester (P18 scheme) and V & VI Semester (P17 scheme).

Sl. No.	Department	UG/PG	Date on which the BOS meeting was held
1.	Automobile Engineering	UG	10-06-2019
2.	Civil Engineering	UG	11-04-2019
3.	Computer Science and Engineering	UG	27-03-2019
4.	Electrical and Electronics Engineering	UG	08-05-2019
5.	Electronics and Communication Engineering	UG	01-04-2019
6.	Industrial Production and Engineering	UG	16-04-2019
7.	Information Science and Engineering	UG	19-03-2019
8.	Mechanical Engineering	UG	15-05-2019
9.	Mathematics	UG	03-04-2019
10.	Master of Computer Application	PG	08-03-2019
11.	Master of Business Administration	PG	09-03-2019

<b>VII</b>	<b>List of Open Electives for the Academic Year 2018-19</b>
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Sl. No.	Department	VII Semester	VIII Semester
		Course Code & Title	Course Code & Title
1	Automobile Engineering	P15AU751 - Automotive Mechanics	P15AU841 - Automotive Power Transmission & Suspension
2	Civil Engineering	P15CV751 - Building Science and Engineering	P15CV7841 - Environmental Impact Assessment & Management
		P15CV752 - Energy and Environment	P15CV842 - Geographic Information System
3	Computer Science & Engineering	P15CS751 - Object Oriented Programming with JAVA	P15CS841 - Data Base Management Systems
		P15CS752 - Microcontroller and Interfaces	P15CS844 - Foundation to IT
4	Electronics & Communication Engineering	P15EC752 - Microcontroller and Applications	P15EC842 - Embedded Systems
		P15EC754 - Biometrics	P15EC843 - Internet of Things and Applications

5	Electrical & Electronics Engineering	P15EE751 - Power Plant Engineering	P15EE842 - Utilization of Electrical Power
6	Industrial & Production Engineering	P15IP751 - Principles of Marketing	P15IP841 - Just In Time Manufacturing
7	Information Science & Engineering	P15IS752 - Introduction to Python Programming	P15IS841 - Software Engineering
8	Mechanical Engineering	P15ME753 - Renewable Energy Technology	P15ME842 - Additive Manufacturing Process
		P15ME754 - Finite Element Method in Engineering	P15ME843 - Power Plant Engineering

<b>VIII</b>	<b>List of Open Electives for the Academic Year 2019-20 (Odd Semester)</b>
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Sl. No.	Department	Course Code & Title
1.	Automobile Engineering	P15AU751 - Automotive Mechanics
2.	Civil Engineering	P15CV751 - Building Science and Engineering
		P15CV752 - Energy and Environment
3.	Computer Science & Engineering	P15CS751 - Object Oriented Programming with JAVA
		P15CS752 - Microcontroller and Interfaces
4.	Electronics & Communication Engineering	P15EC752 - Microcontroller and Applications
		P15EC754 - Biometrics
5.	Electrical & Electronics Engineering	P15EE751 - Power Plant Engineering
6.	Industrial & Production Engineering	P15IP751 - Principles of Marketing
7.	Information Science & Engineering	P15IS752 - Introduction to Python Programming
8.	Mechanical Engineering	P15ME753 - Renewable Energy Technology
		P15ME754 - Finite Element Method in Engineering

The Joint Board of Studies as recommended for **Inclusion of following Open Electives for BE - VIII Semester (AY 2019 – 20)**

- **Robotic Process Automation** offered by CSE / ISE (Any students can opt)
- **Linear Algebra** offered by Mathematics (Any students can opt)
- **Thermal Physics** offered by Physics (Any students can opt)
- **Earth Science & Natural Resource** offered by Geology (Any students can opt except civil)



<b>IX</b>	<b>Report on NPTEL(National Programme on Technology Enhanced Learning) Chapter</b>
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Prof. Ananad M J, Assistant Professor, Department of Electronics & Communication Engineering is nominated by our Principal to be the SPOC for NPTEL activities. The NPTEL information was communicated to all department HoDs and faculty to share among our institute students. There are over 1250+ registrants from PESCE, who have enrolled in NPTEL online courses during January – April, 2019. The NPTEL online course used as part of the Internship course for BE - P15 Scheme final year students and also done mandate from P18 Scheme through Self – Study Course.

Year	Student registered for courses	Examination Taken	Student passed	Faculty passed	Total passed
June -August 2018	533	27	18	9	27
Jan-April 2019	1274	388	256	15	271

<b>X</b>	<b>Approvals from Statutory Bodies</b>
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**a) NBA (National Board of Accreditation) Accreditation:**

Six UG Programs under Tier-1 are NBA Accredited and the details are as follows:

Sl. No.	Course	Period of accreditation
1.	Electrical & Electronics Engineering	Academic years 2017-18 to 2022-23 i.e. upto 30-6-2023
2.	Electronics & Communication Engineering	Academic years 2017-18 to 2019-20 i.e. upto 30-6-2020
3.	Civil Engineering	
4.	Mechanical Engineering	
5.	Automobile Engineering	Academic years 2017-18 to 2019-20 i.e. upto 30-6-2020
6.	Information Science & Engineering	

*Dept. of Computer Science & Engineering and Dept. of Industrial & Production Engineering will be applying for NBA for the AY 2019 – 20 (Odd Semester)*

**b) NAAC (National Assessment and Accreditation Council) Accreditation:**

NAAC accredited with CGPA of 2.99 on seven point scale at B++ Grade valid up to August 15<sup>th</sup>, 2023

**c) Report on NIRF (National Institutional Ranking Framework):**

Ranked 161 in Engineering Category of National Institutional Ranking Framework (NIRF) for the period 2018 – 19

**d) Extension of Autonomy by UGC/VTU:**

The UGC as formed an Expert Committee for Extension of Autonomous Status. In this regard, the following expert committee will be visiting our Institution on 27th & 28th August, 2019

Sl. No.	Name	Category
1	<b>Prof. Prem Kumar Kalra,</b> Director, Dayalbagh Educational Institute Agra (UP) Mobile No. 09458553555 email : <a href="mailto:director@dei.ac.in">director@dei.ac.in</a>	Chairperson
2	<b>Prof. H.N. Pandya</b> Saurashtra University Rajkot (Gujarat) Mobile No. 09426438731 email: <a href="mailto:hnpandya@yahoo.com">hnpandya@yahoo.com</a>	Member
3	<b>Dr. M.P.S Chauhan</b> GB Pant Instt. of Engg. & Tech. Pauri Garhwal (UK) Mobile No.09760316224 email : <a href="mailto:principalgbpecpauri@gmail.com">principalgbpecpauri@gmail.com</a>	Member
4	<b>Dr. R.N. Herkal</b> Basaveshwar Engg. College, Mobile No.09448119490 email id: <a href="mailto:becprincipal@yahoo.com">becprincipal@yahoo.com</a>	Univ. Nominee
5	<b>State Govt. Nominee</b>	
6	<b>Mr. Sanjay Kumar</b> Section officer, UGC, New Delhi.	Co-ordinating Officer

<b>XI</b>	<b>A Brief Report on Induction Program of BE - I Semester for AY 2018 - 19</b>
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**Introduction:**

Induction Program is designed to make the newly admitted undergraduate students feel comfortable in their new surroundings, to expand their vision, and to prepare them for the new stage in their life. It is run for three weeks, during which there are no regular classes. Activities are conducted during this time to assimilate the new students in the culture and ethos of the institution, open them up in thought, set a healthy daily routine, create bonds in the batch as well as with faculty, develop awareness sensitivity and understanding of the self, the people around them, the society at large, and nature.

The daily activities are games and physicals, creative arts, universal human values group discussions, and proficiency modules in case of critical lacunas (English). Other non-daily activities are visit to

department and introduction to discipline, lectures by eminent people, visit to local area (picnic), visit to a village, orphanage or hospital, informal interaction with senior students, and introduction to extra-curricular activities in the college.

AICTE/ MHRD has recommended a 3-week Induction Program for newly admitted UG students, compulsory for all technical colleges in a phased manner in the country. Since the Program has to be conducted by faculty members of the institution, a five to seven days Faculty Development Program for Student Induction are being organized in different parts of the country.

Faculty Development Program for Student Induction is organized by ‘Induction Program Outreach Cell (IPOC)’ with support from AICTE regional office. Several state Cells have been opened. Each Cell is run by their respective Coordinators. IIT(BHU) is playing a national coordinating role.

### **Induction Program:**


When new students enter an institution, they come with diverse backgrounds, thoughts and preparations. It is very important to help them adjust to the new environment. The following are the activities of induction program in which the students would be fully engaged throughout the day for entire duration of the program.

1. **Physical Activity:** This would involve a daily routine of physical activity with games and sports. Each student should pick one game and learn it for three weeks. This would also involve gardening or other suitably designed activity.
2. **Creative Arts:** Every student would select one skill related to arts whether visual arts or performing arts. The student would practice it every day for the duration of the induction program.
3. **Universal Human Values:** This will help the students to experience the joy of learning, stand up to peer pressure, take decisions with courage, be aware of relationships with inmates, etc.
4. **Proficiency Modules:** During the induction program crash courses have to be conducted to improve English skills.
5. **Lectures by Eminent people:** This period can be utilized for lectures by eminent personalities. It would give the students exposure to people who are in public life and are socially active.
6. **Literary:** Literary activity would encompass reading, writing and debating, enacting a play, etc.
7. **Familiarization to Dept./Branch & Innovations:** The students are explained about different methods of study. They are further explained about the different aspects of their branches, departments and the role they play in the society. The different laboratories, workshops & other facilities available in the departments are introduced to the students.


Notwithstanding the above activities of the induction program, any other relevant activity may be planned to enthuse, encourage and benefit the students.

### **Schedule of the activities for 3 – Weeks from 16-08-2018 to 01-09-2018:**

The activities during the Induction Program were conducted in an Initial Phase, a Regular Phase and a Closing Phase according to the table given below.

 <b>PES College of Engineering, Mandya – 571 401, Karnataka</b> 21 - Days Induction Program Schedule for 1 <sup>st</sup> Year B.E. Students; AY : 2018-19										
Day & Date	6.30 AM	7.30 AM	9.30 AM	11.00 AM	11.30 AM	1.00 PM	2.00 PM	3.30 PM	4.00 PM	4.00 - 5.30 PM
	AM	AM	Session - I	Session - II	Session - III	Session - IV				
<b>INITIAL PHASE : (About the Institution - Infra Structure &amp; Facilities, Familiarization with their Departments)</b>										
1 - Thu 16-8-18		B R E	Watching Video on Institution, departments & facilities	T E A	Orientation day Program & Inaugural of Induction Program	L U N	Interaction with Parents on Academics, Examinations & Common Facilities	T E A	Interaction with Parents on Academics, Examinations & Common Facilities	
2 - Fri 17-8-18	Y O G	A P/C	Holiday Declared by State Govt. - Ex. Prime minister A.B. Vajpayee	B R E	Holiday Declared by State Govt. - Ex. Prime minister A.B. Vajpayee	C H	Holiday Declared by State Govt. - Ex. Prime minister A.B. Vajpayee	B R E	Holiday Declared by State Govt. - Ex. Prime minister A.B. Vajpayee	
3 - Sat 18-8-18	A	P/C	Exam Rules & Regulations for Students - COE	R E A	Placement & Training benefits - Datta Kumar NIE, Mysore	B R E	Visit the Central Facilities like Library Sports	A K	Visit the Central Facilities like Library Hostels	
4 - Sun 19-8-18		S T	Assignment - 1 (on Institution and Facilities)	A K	Assignment - 1 (on Institution and Facilities)	E A K	Assignment - 1 (on Institution and Facilities)	A K	Assignment - 1 (on Institution and Facilities)	

 <b>PES College of Engineering, Mandya – 571 401, Karnataka</b> 21 – Days Induction Program Schedule for 1 <sup>st</sup> Year B.E. Students; AY : 2018-19								
Day & Date	6.30 AM 7.30 AM P/C	9.30 – 11.00 AM Session - I	11.00 AM 11.30 AM	11.30 AM – 1.00 PM Session - II	1.00 PM 2.00 PM	2.00 – 3.30 PM Session - III	3.30 PM 4.00 PM	4.00 – 5.30 PM Session - IV
<b>REGULAR PHASE : (About Universal Human Values, Proficiency, Professional Ethics and Activities)</b>								
5 - Mon 20-8-18	P/C	Watching Video on Induction Program by Prof. Rajeev Sangal (AICTE)		Universal Human Values - 1 :Adithyananda Swamiji - Chimmaya		Basic Science Departments : Phy, Che & Maths - Introduction		Creative Arts – 1 : Drawing By Venkatesh
6 - Tue 21-8-18	P/C	Registration in their respective Departments		Universal Human Values - 2 : Swami Maheshatmanandaji Maharaj		Library & Information centre : Dr. Ramashesha		Yoga class with practice by Manoj kumar &
7 - Wed 22-8-18	P/C	Govt. Holiday : Bakrid		Govt. Holiday: Bakrid		Govt. Holiday: Bakrid		Govt. Holiday: Bakrid
8 - Thu 23-8-18	P/C	Proficiency Module – 1: Attitude Re-engineering by Duthuluri Vasudeva Naidu		Inspirational talk on achieving goals – by Thamas Rose, Bangalore		Proficiency Module – 2: Career Options & Planning by Duthuluri Vasudeva Naidu		Talk on Bio-fuel and rain harvesting - by Dr. Prasanna kumar, PESCE
9 - Fri 24-8-18	P/C	Awareness on Historical places in & around Mandya by Mr. Sreepad		Creating awareness on activities of IEEE, ISTE & others by K.R.R Rao & Team		Visit the Central Facilities like Library & Hostels by Kodandaramu & his team members		Sports activities and facilities of PESCE by Chinnegowda & his team members
10 - Sat 25 - 8-18	P/C	Local Tour		Local Tour		Local Tour		Local Tour
11 - Sun 26-8-18	P/C	Assignment – 2 (Human Values & Proficiency)		Assignment – 2 (Human Values & Proficiency)		Assignment – 2 (Human Values & Proficiency)		Assignment – 2 (Human Values & Proficiency)

 <b>PES College of Engineering, Mandya – 571 401, Karnataka</b> 21 - Days Induction Program Schedule for 1 <sup>st</sup> Year B.E. Students; AY : 2018-19									
Day & Date	6.30 AM - 7.30 AM	7.30 AM - 9.30 P/C	9.30 - 11.00 AM Session - I	11.00 AM - 11.30 AM	11.30 AM - 1.00 PM Session - II	1.00 PM - 2.00 PM	2.00 - 3.30 PM Session - III	3.30 PM - 4.00 PM	4.00 - 5.30 PM Session - IV
<b>FINAL PHASE : (About Universal Human Values, Proficiency, Professional Ethics and Activities)</b>									
12 - Mon 27-8-18			Lecture on Communication Skills by Eminent Personalities		Lecture on Professional Ethics by Eminent Personalities		Sudarshan Kriya : Importance of Breathing & Yoga – by Art of Living K Saini, R K Gowda & team		Sudarshan Kriya : Importance of Relaxation & Yoga – by Art of Living K Saini, R K Gowda & team
13 - Tue 28-8-18			Lecture on English Language by Eminent Personalities		Lecture on Library & Information Centre by Eminent Personalities		Mind & Energy :Secret of Brain Science to Excel – by Art of Living K Saini, R K Gowda & team		Mind & Energy :Secret of Brain Science to Excel – by Art of Living K Saini, R K Gowda & team
14 - Wed 29-8-18			Lecture on Health and Habits by Eminent Doctor		Lecture on Social Responsibilities by Eminent Personalities		Ethics, Morality & Integrity: Social Responsibility & Nationalism– by Art of Living K Saini, R K Gowda & team		Ethics, Morality & Integrity: Social Responsibility & Nationalism– by Art of Living K Saini, R K Gowda & team
15 - Thu 30-8-18			Lecture on Constitution of India & Responsibilities of an Indian citizen by Eminent Personalities		Lecture on Constitution of India & Responsibilities of an Indian citizen by Eminent Personalities		Handling negative emotions, effective studies, Managing Relationships – by Art of Living K Saini, R K Gowda & team		Handling negative emotions, effective studies, Managing Relationships – by Art of Living K Saini, R K Gowda & team
16 - Fri 31-8-18			Holiday declared by State Govt. due to Local Elections		Holiday declared by State Govt. due to Local Elections		Holiday declared by State Govt. due to Local Elections		Holiday declared by State Govt. due to Local Elections
17 - Sat 01 - 9-18			Presentation on Faculty Strength & facilities of each department by the HoD's		Presentation on Faculty Strength & facilities of each department by the HoD's		Valedictory function of Induction Program in the presence of principal and HoD's		Valedictory function of Induction Program in the presence of principal and HoD's
18 - Sun 02 - 9-18			Assignment – 3 (Creative Arts, Yoga & Feedback on IP)		Assignment – 3 (Creative Arts, Yoga & Feedback on IP)		Assignment – 3 (Creative Arts, Yoga & Feedback on IP)		Assignment – 3 (Creative Arts, Yoga & Feedback on IP)



**XII A Brief Report on Graduation Day for 2018**

For the academic year 2017-18, 850 (UG-702/PG-148) students graduated from the institute. In order to commemorate the event, the college conducted its 9<sup>th</sup> Graduation Day on 25<sup>th</sup> August 2018, in the college campus.



**Dr. Madhusudhan Govindaraju**, Professor, Department of Computer Science, Binghamton University [SUNY], New York, USA, was the Chief Guest for the Graduation Day. He delivered the Graduate Day Address and present the Medal to toppers.

**Dr. M S Shivakumar**, Vice Chancellor, CMR UNIVERSITY, Bangalore, was the Guest of Honour for the Graduation Day and addressed the graduates and distributed the provisional degree certificate to the graduates.

**Dr. H.D.Chowdaiah**, Chairman, Board of Governors presided the ceremony.

**Dr. V Sridhar** Principal, welcome all the guests and administers the Oath to the graduates.

**Dr. P S Puttaswamy**, Dean (Academic Affairs), presented the list of Rank holders to the Chief Guests. **Dr. K. Narasimhachary**, Controller of Exams read out the list of degree conferred.

Gold Medals presented to all the Eight **UG** and Eight **PG** Toppers.

Various Endowment Awards were also presented to Toppers of all Under Graduate programs given by philanthropic donors. **PRAMOD S CGPA-9.2 (BE-ME)**, Overall Topper in Mechanical Engineering Sciences; **NANDITHA V G CGPA-9.57 (BE-CE)**, Overall Topper in Civil Engineering Sciences; **PRAVEEN KUMAR B N CGPA-8.96 (BE-CS&E)**, Overall Topper in Computer Science & Engineering; **DIVYA R. CGPA-9.26 (BE-E&CE)**, Lady Topper in Electronics and Communication Engineering.

Special Endowment Awards were given to **SHALINI S R** - 94 marks out of 100 (BE-I&PE), Topper in Work Study & Ergonomics; **SUHAS GOWDA C** - 385 marks out of 400 (BE-CE), Topper in Engineering Mathematics; **VARUN PRASAD M P** -189 marks out of 200 (II BE-CE) Topper in Surveying.

All toppers of Post Graduate programs will be awarded **Dr. H. D. Chowdaiah** Merit Award.

<b>XIII</b>	<b>Rank Holders of UG Programs for 2019</b>
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Sl. No.	USN and Name	CGPA	Rank
<b>Department of Automobile Engineering</b>			
1	4PS15AU016 - SAMRAT U	8.7	<b>I</b>
2	4PS15AU013 - ROHAN RELEKAR S	8.29	<b>II</b>
3	4PS16AU401 - KUMAR GOWDA R	7.76	<b>III</b>
<b>Department of Computer Science and Engineering</b>			
1	4PS15CS042 - KAVYASHREE B K	9.39	<b>I</b>
2	4PS15CS128 - DIVYASHREE L	9.27	<b>II</b>
3	4PS15CS073 - POOJA S	9.23	<b>III</b>
4	4PS15CS041 - JAGADEESHKUMAR	9.18	<b>IV</b>
5	4PS15CS124 - VASUKI VARUNA Y R	8.89	<b>V</b>
6	4PS15CS040 - HARSHITA R K	8.84	<b>VI</b>
7	4PS15CS116 - SURABHI A K	8.83	<b>VII</b>
8	4PS15CS058 - MEGHANA V	8.71	<b>VIII</b>
9	4PS15CS047 - MADHAPURA RAVIKUMAR MADHAN KUMAR	8.68	<b>IX</b>
10	4PS15CS121 - VANITHA M	8.66	<b>X</b>
<b>Department of Civil Engineering</b>			
1	4PS15CV033 - KARTHIK A R	9.66	<b>I</b>
2	4PS15CV022 - HARSHITH GOWDA D	9.46	<b>II</b>
3	4PS15CV104 - SHRIDHAR S	9.45	<b>III</b>
4	4PS15CV065 - POORNIMA D	9.44	<b>IV</b>
5	4PS15CV023 - HARSHITH KUMAR H C	9.39	<b>V</b>



6	4PS15CV110 - SNEHA K	9.3	VI
7	4PS15CV092 - SANTHOSHKUMAR C V	9.3	VII
8	4PS15CV057 - NANJUNDA SWAMY	9.29	VIII
9	4PS15CV032 - KANCHANA B V	9.28	IX
10	4PS16CV404 - DARSHAN H N	9.26	X
<b>Department of Electronics &amp; Communication Engineering</b>			
1	4PS15EC100 - SHRAVYA H R	9.56	I
2	4PS15EC066 - POOJA D T	9.55	II
3	4PS15EC094 - SANJANA S R	9.49	III
<b>Sl. No.</b>	<b>USN and Name</b>	<b>CGPA</b>	<b>Rank</b>
4	4PS15EC111 - TANMAYA S A	9.44	IV
5	4PS15EC098 - SHILPASHREE B G	9.37	V
6	4PS15EC070 - POORNIMA M GOWDA	9.29	VI
7	4PS15EC096 - SHASHANK AP	9.18	VII
8	4PS15EC109 - SUPREETH P	9.12	VIII
9	4PS15EC021 - DIYA THIMMAIAH K	9.12	IX
10	4PS15EC048 - MANASA N	9.12	X
<b>Department of Electrical &amp; Electronics Engineering</b>			
1	4PS15EE040 - YASHWANTH G M	9.25	I
2	4PS15EE041 - THEJAS M G	9.25	II
3	4PS15EE036 - SUPREETHA B C	9.22	III
4	4PS15EE019 - MAQSOOD SHARIFF M	9.22	IV
5	4PS15EE010 - HARSHITHA M N	9.17	V
<b>Department of Industrial &amp; Production Engineering</b>			
1	4PS15IP027 - SHALINI S R	8.98	I
2	4PS15IP019 - MYTHRI S N	8.82	II
3	4PS15IP031 - SUPRITHA PRASAD	8.74	III
4	4PS15IP010 - KARTHIK M	8.63	IV
<b>Department of Information Science &amp; Engineering</b>			
1	4PS15IS014 - NOOPUR G	9	I
2	4PS15IS022 - SIDDHARTH B	8.75	II
3	4PS15IS013 - MANDARA K R	8.73	III
<b>Department of Mechanical Engineering</b>			
1	4PS15ME072 - PRANAV KUMAR N	9.64	I
2	4PS15ME073 - PRAPULLA CHANDAN THAYURKAR	9.17	II
3	4PS15ME063 - NAGENDRAKUMARA C A	9.05	III
4	4PS15ME110 - SUJAYAKUMAR	9.01	IV
5	4PS15ME100 - SHESHANNA K	8.99	V
6	4PS15ME101 - SHIVAMURTHY G C	8.96	VI
7	4PS15ME121 - VEERESH SUNKAD	8.89	VII
8	4PS15ME057 - MAYUR M R	8.8	VIII

9	4PS15ME007 - AMAN C GOUD	8.75	IX
10	4PS15ME117 - V DARSHAN	8.71	X

<b>XIV</b>	<b>Rank Holders of PG Programs for 2019</b>		
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Sl. No.	USN and Name	CGPA	Rank
<b>Department of Mechanical Engineering (Computer Integrated Manufacturing)</b>			
1	4PS17MCM03 - SREENIVASAMURTHY B P	9.44	I
<b>Department of Mechanical Engineering (Machine Design)</b>			
1	4PS17MMD12 - RAMESH KURBET	9.36	I
2	4PS17MMD09 - MANOHAR H S	9.32	II
3	4PS17MMD10 - NOUMAN KHAN	9.28	III
<b>Department of Civil Engineering (CAD of Structures)</b>			
1	4PS17CCS11 - POORNIMA B S	9.64	I
2	4PS17CCS04 - DAKSHAYINI S	9.56	II
3	4PS17CCS06 - HARSHA G S	9.48	III
<b>Department of Computer Science and Engineering (Computer Science and Engineering)</b>			
1	4PS17SCS11 - SHAZIA ANJUM M S	9.3	I
2	4PS17SCS12 - SHIVANI R PAWAR	9.16	II
3	4PS17SCS13 - SUSHMITHA M S	9.08	III
<b>Department of Computer Science and Engineering (Computer Engineering)</b>			
1	4PS17SCE02 - NAYANA K S	8.9	I
<b>Department of Electronics and Communication Engineering (VLSI Design and Embedded Systems)</b>			
1	4PS17LVS03 - HARISHA K R	9.46	I
2	4PS17LVS02 - ARPITHA C	9.32	II
3	4PS17LVS04 - JAYASHREE M S	9.32	III
<b>Department of Management Studies (Master of Business Administration)</b>			
1	4PS17MBA07 - AYESHA TABASSUM	9.37	I
2	4PS17MBA12 - FAYEEZA KHANUM	9.25	II
3	4PS17MBA45 - SHRUTHI P	9.03	III
4	4PS17MBA35 - NIKHITHA H J	8.93	IV
5	4PS17MBA33 - NANDINI B C	8.89	V
<b>Department of Computer Applications (Master of Computer Applications)</b>			
1	4PY17MCA84 - KAVYA N	9.26	I
2	4PY17MCA73 - AMREEN TAJ	9.25	II
3	4PS16MCA15 - MARY K G	9.22	III
4	4PY17MCA79 - DEEPIKA K	9.16	IV
5	4PS16MCA10 - KIRAN DIKSHIT MENON A	9.11	V
6	4PS17MCA71 - NISARGA K L	9.09	VI

<b>XV</b>	<b>Research Accomplishments - Faculty Members who Obtained PhD for the period 2018 - 19</b>
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Sl. No	Department	Name of the faculty	Name of the Guide	Title of the Thesis	Name of the university Awarding Degree	Date of Award of Degree
1.	Automobile Engineering	Srikanth H V	Dr. J.Venkatesh	A Study on Suitability of Milk Dairy Waste Scum Biodiesel for CI Engines	VTU, Belagavi	19-01-2019
2.		Raghavendra Reddy N V	Dr. B Jayashankara	Computational Fluid Dynamic Simulation of Compression Ignition Engine Processes	VTU, Belagavi	30-04-2019
3.	Computer Science and Engineering	Prathibha R.J	Dr. M C Padma	Novel approaches to develop modules of source analysis for Kannada sentence in Machine translation system	VTU, Belagavi	20-04-2018
4.		Mohammad Ahmed ail Abdulrhman		Design of Robust Concept Drift Adoption Strategies for High Speed Data Stream Mining		
5.		N S Kumudha	Dr. Dinesh M.S	Methods to words Multimodal Biometric Pattern Analysis	University of Mysore	27-12-2018
6.	Civil Engineering	Lokeshwari M	Dr. Nanjunda Swamy	Solid waste Management issues in Mysore City	VTU, Belagavi	25-05-2018
7.		Vijaya Kumar Y.M.	Dr. Gopi Siddappa	Studies on Jacketed Reinforced Concrete Columns	VTU, Belagavi	17-05-2019

8.	Electronics & Communication Engineering	Ahmad Hweishel A Alfarjat	Dr. H S Sheshadri	Investigations on The Performance Analysis of Bluetooth security Issues using Advanced Algorithms	University of Mysore	19-03-2018			
9.		Anjanappa C		Development and performance Evaluation of De-noising Algorithms for Medical Image Analysis			University of Mysore	19-12-2018	
10.		Wa'el Ibrahim A Almazaydeh		Development of Image Steganography Algorithms for Secret Message Communication					University of Mysore
11.	Electrical and Electronics Engineering	Shilpa R	Dr. P S Puttaswamy	Power quality detection, classification and monitoring using signal processing techniques	VTU, Belagavi	27-12-2018			
12.	Mechanical Engineering	Y D Chethan	Dr. H.V.Ravindra	Parametric Optimization and Performance Monitoring in Turning Nickel Based Super Alloys Using Machine Vision and Acoustic Emission Techniques	VTU, Belagavi	20-08-2018			
13.		Ugrasen G		Dr. H.V.Ravindra			Estimation and Comparison of Machining Performances in wire Electrical Discharge Machining Using MRA, GMDH and ANN	VTU, Belagavi	21-08-2018
14.		Umesh Gowda B M					Monitoring the Status of the Drilled Hole in Composite Material Using Multisensory Approach		
15.		Prakash U		Dr. S.L. Ajith Prasad			Machinability studies AND Tribological characterization of Aluminium based Metal Matrix Composites	VTU, Belagavi	20-07-2018

16.		C.K. Vikram	D. Y.T. Krishne Gowda	Experimental investigation and numerical simulation of flow past square cylinders	VTU, Belagavi	31-08-2018
17.		K N Lingaraju	Dr. H P Raju	A Study of Extrusion Honing Process Induced Surface Integrity	VTU, Belagavi	23-02-2019
18.		Devadatta V. R		Experimental Investigation into the extrusion honing process performance.	VTU, Belagavi	04-12-2018
19.		K N Lingaraju		A Study of Extrusion Honing Process Induced Surface Integrity	VTU, Belagavi	23-02-2019
20.		P.A Udayakumar	Dr. Ramalingaiah	Synthesis and Characterization of Coir Fibers, Aramid Fibers and Coconut Shell Powder Reinforced Vinyl Ester Hybrid Composites	VTU, Belagavi	01-01-2019
21.		Lakshmi Narasimha Murthy H R		Studies on Machinability Characteristics of Aluminium Matrix Hybrid Composites	VTU, Belagavi	20-02-2019
22.		Ganesha.B		Dr. K N Umesh	Investigation on vibration Monitoring of Rotating Machineries instead industry	VTU, Belagavi
23.		Harisha N.G	Optimal Kinematic Synthesis of 2DOF Planar Linkages		VTU, Belagavi	23-02-2019
24.	Maths	Nayaka S R	Dr Puttaswamy	A Study on some problem in the theory of Graphs	University of Mysore	26-09-2018
25.		Mohammed Hezam Ali Alatif		Some Study of in the theory of Graphs	University of Mysore	22-05-2019

<b>XVI</b>	<b>Research Accomplishments - List of Faculty who have submitted Ph.D. / M.Sc. Engg. (Research) thesis</b>
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S I. No.	Department	Name of the faculty	Degrees (Ph.D/ M.Sc)	Name of the Guide	Title of the Thesis	Name of the university Awarding Degree	Date of Submitted
1.	Civil Engineering	KVR Prasad	Ph.D	Dr.S.P. Mahendra	Investigation On Utilization Of Recycled Poly Ethylene Teraphthalate in road construction	VTU, Belagavi	28/1/2019
2.	Electronics & Communication Engineering	Gokul B S	M.Sc Engg	Dr. V Sridhar	Performance evaluation of TIQ comparator and design for high speed and low power 4-bit flash ADC for system on chip application	VTU, Belagavi	15/3/2019
3.		Kumar B S	M.Sc Engg		Study of information security issues in E Governance Applications	University of Mysore	
4.		Manjunath. R.	Ph.D	Dr. H S Sheshadri	Development of an Algorithm for Early Detection of Plus Disease in Retinopathy of Prematurity	University of Mysore	19/5/2019
5.		Manjula A V	Ph.D	Dr K.N. Muralidhar a	Low Complexity and Hybrid Peak to Average Power Ratio Reduction Techniques in OFDM System	University of Mysore	28/3/2019
6.	Electrical and Electronics Engineering	Prashant Arunrao Athavale	Ph.D	Dr. P S Puttaswamy	Computer aided diagnosis in chest radiography for solitary pulmonary nodules detection and characterization	VTU, Belagavi	

7.		H.Sathishkumar	Ph.D	Dr. S S Partha Sarathy	A Novel Robust Controller for Vector Controlled Induction Motor Drive	University of Mysore	28/3/2019
8.	Mechanical Engineering	M A Venu Gopal	M.Sc Engg	Dr B S Shiva Kumar	In Study of safety and Ergonomics Aspects High Voltage Transformer and Lead Acid Battery Manufacturing Industries	VTU, Belagavi	28/2/2019
9.		Mahendra Babu K J	Ph.D	Dr C J Gangadhara Gowda	Experimental and Numerical Investigation on Fluid Flow Performance of Multi Hole Orifice	VTU, Belagavi	27/6/2019
10.		Rudresh Addmani	Ph.D	Dr. H V Ravindra	Optimization of process Parameters and Monitoring the status and Breakage of weld using Multisensory Approaches for pulsed Gas Metal ACR welding (P-GMAW)	VTU, Belagavi	27/6/2019
11.		Prathik Jain	Ph.D	Dr. H V Ravindra	Monitoring of Electrode in Wire Electrical Discharge Machining by Using AE, vibration and temperature	VTU, Belagavi	27/6/2019
12.	Mathematics	Mohammed sharah Abed Alkareem A Bani Issa	Ph.D	Dr. Giniswamy	A Study Of Nonlinear Integral And Integro Differential Equation By Using Numerical Methods	University of Mysore	6/5/2019

**XVII** **List of Sponsored Research Projects**

Sl. No.	Dept.	Title of the Project	Funding Agency	Year	Amount Sanctioned in Rs.	Status of the project	Coordinator
1.	ME	Vibration and Noise Analysis of Parallel Shaft Gear Drive Systems	AICTE	2017-20	10,00,000/-	In Progress	Dr. S L Ajit Prasad
2.	EC	A Heuristic Approach for Design and Develop a Prototype Electronics Nose to Detect Spoilage of Milk and Bread.	VGST (SMYS R)	2017-19	5,00,000/-	In Progress	M J Anand
3.		Establishment of Medical Image analysis laboratory	VGST	2014-15	20,00,000/-	-	Dr. H.S. Sheshadri
4.	EE	Establishing High Voltage Insulation laboratory	Department of Industries & Commerce Govt. of Karnataka.	2012- 14	50,00,000/-	-	Dr. B Ramachandra
5.	CS	Establishing the Internet of Things (IoT) Laboratory for Post Graduate and Research programs	VGST	2015	20,00,000/-	-	Dr.M.C.Padma
6.	IS	Setting up of network Forensic lab.	VGST K-FIST LEVEL (1)	2017-19	20,00,000/-	-	Dr. Minavathi
7.	CV	Utilization of Remote Sensing & GIS for mapping of Natural Resources – on Water Resource action plan for Ramanagaram tq Micro water Shed, Ramanagaram dist.	Ministry of Earth Sciences , Govt. of India, New Delhi	2014	15,95,120/-	In Progress	Dr. L Prasanna Kumar



<b>XVIII</b>	<b>List of Research Publications during last 5 years</b>
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Departments	International Journals	National Journals	International Conference	National Conference	TOTAL
Automobile	5	1	1	2	9
Chemistry	24	3	17	6	50
Civil	38	1	8	1	48
Computer Science	87	1	18	8	114
Electrical And Electronics	40	2	22	1	65
Electronics And Communication	82	1	45	24	152
Industrial And Production	18	0	14	1	33
Information Science	15	0	10	4	29
Master Of Business Administration	21	3	9	11	44
Master Of Computer Application	64	0	4	10	78
Mathematics	25	0	3	2	30
Mechanical	90	2	129	15	236
Physics	8	1	0	1	10
<b>TOTAL</b>	<b>517</b>	<b>15</b>	<b>280</b>	<b>86</b>	<b>898</b>

<b>XIX</b>	<b>Centre of Excellence</b>
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**VLSI Design Lab [Dr. V. Sridhar, Currently Supervised by Dr. RadhakrishnaRao]**

To provide good VLSI design facility to UG and PG students and develop facilities for research scholars in the field of VLSI design to achieve excellence in this field and to motivate faculty members to take up research work and guide students in this area of specialization. To conduct regular training programs for students and faculty members from other academic institutions who want to improve their knowledge and practical skill in VLSI design and embedded system. The facilities available in the VLSI and HDL lab are CAD tools 6.1.6.64 bit version, Xilinx EDA tool ISE 14.2 software and FPGA kit such as Spartan 6, Virtex 5, Virtex 6. Using these facilities, the PG and UG students can do experiments and projects in VLSI design and HDL. The research scholars can use these facilities.

**Center for Diagnostic Maintenance (CDM) [Dr. H.V.Ravindra]**

In recent times Condition-Based Maintenance (CBM) and Prognostics has emerged as a significant technology that is making an impact on industrial maintenance practices. CBM technology is characterized by the merging and strong coupling of interdisciplinary trends from the engineering sciences, computer sciences, reliability engineering, communications, management, etc. All these diagnostic and prognostic technology elements, techniques, and capabilities must be applied and implemented wisely to obtain maximum benefit impacts. The applications are in manufacturing systems, power plants, turbines, bearings, chemical plants, on-board car-engine diagnosis. Condition monitoring equipment is used extensively in the energy, petrochemical, cement, steel, paper and pulp industries.

**Medical Image processing laboratory [Dr. H S Sheshadri]**

The Facilities / services available are High end work stations with high resolution monitors (desktop computers), MATLAB Software-Version 15.B, Teaching Aid Interactive Panel, Network Accessories Router Cisco 1905. Work being carried in the areas; Diabetic Retinopathy, Retinopathy of Prematurity, MRI Image segmentation algorithms and Medical Image Denoising.

**High Voltage Insulation Laboratory [Dr. B. Ramachandra, Currently Supervised by Dr. P S Puttaswamy]**

Facilities / services available in the laboratory are Shielded Chamber Based on Faraday cage Principle, Vacuum system with high pressure chamber, High Frequency High Voltage Generator, Aplab 30MHz Dual Trace Oscilloscope, PD free High voltage Generation Unit, Shielded chamber based on Faraday Cage principle & PC based partial Discharge analyzer.

**Center for Alternative Energy Resource (CAER) [Dr. L.Prasannakumar]**

This facility caters for, Awareness on Rain Water Harvesting and Bore well recharging techniques, Global warming, Green Environment, Water Pollution, Demonstration of Solar Energy, Bio- Fuel and Bio Gas production using Kitchen waste. Encouraging various research activities in the entire Bio fuel chain involving universities and research organizations (UG students project program)

**Internet of Things (IoT) Laboratory [Dr. M C Padma]**

The laboratory is used for Development boards compatible with Arduino platform, microchip chipkit platform and Zolertia boards, Raspberry PI boards for embedded and sensor networks and HP Intel core duo systems. Lab is dedicated for doing project and research oriented work.

**Network Forensic Laboratory [Dr. Minavathi]**

Network forensics is a subfield of digital forensics where evidence is captured from networks and interpretation is substantially based on knowledge of cyber-attacks. It aims to locate the attackers and reconstruct their attack actions through analysis of intrusion evidence. The main objectives of the proposed project are Detection of TCP SYN flooding: Detection of UDP flooding: Estimation of Throughput of the network: Filtering of Packets: Detection of Routing Protocol: Finding Round Trip Time: Getting other application protocol details for analysis like DNS-protocol. This project is suited for deployment in the field of: Sensitive applications for network security, Network monitoring that requires sniffing across broad LAN/WAN environments.

XX	Faculty Achievements	
Department	Name of the Faculty	Achievements
Computer Science and Engineering	Dr. M.C. Padma	Emerging Research in Electronics, Computer Science and Technology Proceedings of International Conference, ICERECT 2018 <b>Editors: Sridhar, V., Padma, M.C., Rao, K.A. Radhakrishna</b>
	Mr. Girish Babu M.C	The final year student project under the guidance of Girish Babu MC, Project Sanctioned Under The KSCST- 41 <sup>ST</sup> SERIES OF SPP (STUDENT PROJECT PROGRAM) During 2017-2018. <b>Project title:</b> “SMART GARBAGE MONITORING AND WASTE MAINTAINCE SYSTEM USING IOT”. Branch : CS&E Degree : BE
Electronics and Communication Engineering	Dept of E & C Engg ( Dr KA Radhakrishna Rao)	3 <sup>rd</sup> International Conference on Emerging research in Electronics, Computer Science and Technology ICERECT 2018 <b>Editors: Sridhar, V., Padma, M.C., Rao, K.A. Radhakrishna</b>
	Dr K N Muralidhara	IEEE Felicitating “Eminent Academician Researcher-2018”. IEEE-PESCE ( Mysore zonal level selection)
	Dr K. A. Radhakrishna Rao	Best student branch website- 2018
	Revanesh.M	Distinction in “Foundation Program in ICT for Education conducted by IIT, Bombay from 8 <sup>th</sup> March to 12 <sup>th</sup> April 2018 and Pedagogy for Online and Blended Teaching – Learning Process 3 <sup>rd</sup> May 2018 to 30 <sup>th</sup> May 2018
	Nischitha K	Distinction in “Foundation Program in ICT for Education conducted by IIT, Bombay from 8 <sup>th</sup> March to 12 <sup>th</sup> April 2018 and Pedagogy for Online and Blended Teaching – Learning Process 3 <sup>rd</sup> May 2018 to 30 <sup>th</sup> May 2018
	Sushmitha.M.N	Distinction in “Foundation Program in ICT for Education conducted by IIT, Bombay from 8 <sup>th</sup> March to 12 <sup>th</sup> April 2018 and Pedagogy for Online and Blended Teaching – Learning Process 3 <sup>rd</sup> May 2018 to 30 <sup>th</sup> May 2018
	Dr K. A. Radhakrishna Rao	Co authored book on “Emerging research in Electronics, Computer Science and technology ICERECT 2018” Springer 2018
	Dr H S Sheshidri	Book Published Medical Image Analysis- A Research outcome” ( Second Edition)
Mathematics	Dr. Puttaswamy	<ul style="list-style-type: none"> <li>• VTU Nomination to the Academic Council of Dayananda Sager College of Engineering, Bengaluru. (Autonomous)from 13/12/2017 to 12/12/2019</li> </ul>

<b>XXI</b>	<b>Faculty/Staff Visited Abroad</b>
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Sl. No.	Department	Name of the Faculty	Purpose of Visit	Place and Date of Visit
1.	<b>Industrial Production and Engineering</b>	<b>Dr H M Nanjunda Swamy</b>	International Conference on “Influence of various nano sized TiO <sub>2</sub> Particles on the mechanical properties of aluminium composites synthesized by stir casting method” at international conference on mechanical and aerospace engineering held in munich,	Germany on 3 <sup>rd</sup> & 4 <sup>th</sup> August 2018.
2.		<b>Prof. M Sreenivasa</b>	International Conference on “Influence of various nano sized TiO <sub>2</sub> Particles on the mechanical properties of aluminium composites synthesized by stir casting method” at international conference on mechanical and aerospace engineering.	munich, Germany on 3 <sup>rd</sup> & 4 <sup>th</sup> August 2018.
3.		<b>Prof. Raghu S</b>	International Conference on “Influence of various nano sized TiO <sub>2</sub> Particles on the mechanical properties of aluminium composites synthesized by stir casting method” at international conference on mechanical and aerospace engineering	Munich, Germany on 3 <sup>rd</sup> & 4 <sup>th</sup> August 2018.
4.	<b>Mechanical Engineering</b>	<b>Dr. H V Ravindra</b>	Binghamton University, USA	USA 9 <sup>th</sup> – 16 <sup>th</sup> November 2018

<b>XXII</b>	<b>Placement Statistics</b>
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## UG Details

Year	No. of Companies visited	No. of Students Registered	No. of Offers	No. of Students Placed	Tier-1 Company salary > 6.5 LPA	Tier-2 Company Salary >3.5 < 6.5 LPA	Tier-2 Company Salary < 3.5 LPA
<b>2018-19</b>	98	380	331	331	7	<b>170</b>	<b>134</b>
<b>2017-18</b>	60	338	262	262	14	69	179
<b>2016-17</b>	61	397	312	312	18	83	211
<b>2015-16</b>	66	364	337	337	9	65	263

**PG Details**

Year	No. of Companies visited	No. of Students Registered	No. of Offers	No. of Students Placed	Tier-1 Company salary > 6.5 LPA	Tier-2 Company Salary >3.5 < 6.5 LPA	Tier-2 Company Salary < 3.5 LPA
2018-19	13	5		-	-	-	-
2017-18	23	2		1	1	-	-
2016-17	16	10		7	-	2	5
2015-16	10	11		6	-	6	-

**Placed Students for the AY 2018 - 19**

**Department of Computer Science & Engineering**

Sl. No.	Name	USN	Company
1	4PS15CS104	SHIVANI NITISH NAYAK	SLK
2	4PS15CS124	VASUKI VARUNA Y R	SLK
3	4PS15CS126	YASHAS	SLK
4	4PS15CS054	MANOJ ATHREYA C.S	6th energy
5	4PS15CS073	POOJA S	6th energy
6	4PS15CS109	SIDDISH P RAO	E&Y
7	4PS15CS054	MANOJ ATHREYA C.S	E&Y
8	4PS15CS060	MOHD SAIF ANSARI	Global Edge
9	4PS15CS062	MONA KUMARI	Global Edge
10	4PS15CS090	S KAUSHIK ARAKALGUD	Global Edge
11	4PS15CS128	DIVYASHREE L	Global Edge
12	4PS15CS040	HARSHITA R K	Continental
13	4PS15CS076	PRAJNA Y M	Continental
14	4PS15CS128	DIVYASHREE L	Continental
15	4PS15CS041	JAGADEESH KUMAR	Continental
16	4PS15CS058	MEGHANA V	Continental
17	4PS16CS406	GEETHA. M.R	Continental
18	4PS15CS076	PRAJNA Y M	Continental
19	4PS15CS067	NITHIN H P	Codilar
20	4PS15CS106	SHREYAS H N	MINDTREE
21	4PS15CS005	AISHWARYA K S	MINDTREE
22	4PS15CS010	ANIKET MALLICK	TCS
23	4PS15CS014	ANUSHA G K	TCS
24	4PS15CS037	GOWDA TEJAS	TCS
25	4PS15CS041	JAGADEESH KUMAR	TCS
26	4PS15CS076	PRAJNA Y M	TCS
27	4PS15CS077	PRAJWAL S	TCS
28	4PS15CS111	SINCHANA M	TCS

29	4PS15CS006	AKSHATHA A P	Qspider
30	4PS15CS019	ASHWINI B D	Qspider
31	4PS15CS021	B KIRAN KUMAR	Qspider
32	4PS15CS022	BHARGAVI G N	Qspider
33	4PS15CS027	CHANDAN M	Qspider
34	4PS15CS047	MADHAPURA RAVIKUMAR MADHAN KUMAR	Qspider
35	4PS15CS051	MANISH KUMAR	Qspider
36	4PS15CS066	NISCHAL CS	Qspider
37	4PS15CS085	RAKSHITH.S.R	Qspider
38	4PS15CS088	RANJANA.H.S	Qspider
39	4PS15CS102	SHASHANK VS	Qspider
40	4PS15CS105	SHOBHA.R	Qspider
41	4PS15CS116	SURABHI AK	Qspider
42	4PS15CS120	TUSHAR CHANDRA	Qspider
43	4PS16CS410	LIJU THOMAS	Qspider
44	4PS15CS013	ANURAG PRAKASH	TALLY
45	4PS15CS041	JAGADEESH KUMAR	TALLY
46	4PS15CS106	SHREYAS H N	TALLY
47	4PS15CS090	S KAUSHIK ARAKALGUD	TALLY
48	4PS16CS404	DILIPA	Maventic
49	4PS16CS409	KUMARA H S	Maventic
50	4PS15CS008	AMOGH BABU K A	Maventic
51	4PS15CS067	NITHIN H P	INTECONS SOFTWARE LAB
52	4PS15CS008	AMOGH BABU K A	SIEMENS Solutions
53	4PS15CS130	BHAVANA L	Accord Software
54	4PS15CS055	MANOJ S	Infosys
55	4PS15CS074	POOJA SHREE S K	Infosys
56	4PS15CS081	RAHUL J P	Infosys
57	4PS15CS089	RUCHYRAJ N G	Infosys
58	4PS15CS094	SANATH B N	Infosys
59	4PS15CS126	YASHAS	Infosys
60	4PS15CS073	POOJA S	Ad2pro
61	4PS16CS400	ABRAR AHMED	Wipro
62	4PS15CS003	AFTHAB KHAN C G	Wipro
63	4PS15CS030	DARSHAN M CHAKRASALI	Wipro
64	4PS15CS037	GOWDA TEJAS	Wipro
65	4PS15CS047	MADHAPURA RAVIKUMAR MADHAN KUMAR	Wipro
66	4PS15CS072	PARIDHI P JAIN	Wipro
67	4PS16CS416	PRASANNA POOJARI	Wipro
68	4PS15CS097	SANTHOSH.R	Wipro

69	4PS15CS124	VASUKI VARUNA Y R	Wipro
70	4PS15CS030	DARSHAN M CHAKRASALI	Lowes
71	4PS15CS025	BINDUJA DAS	Mphasis
72	4PS15CS058	MEGHANA V	Mphasis
73	4PS15CS008	AMOGH BABU K A	Face
74	4PS15CS063	NEELAMBIKA H S	Global logic
75	4PS15CS101	SHARATH P	cognizant
76	4PS15CS058	MEGHANA V	cognizant
77	4PS15CS131	SHASHANK M U	Ellipse Technologies
78	4PS16CS418	RUCHITHA G	Ellipse Technologies
79	4PS15CS102	SHASHANK VS	Ellipse Technologies
80	4PS15CS105	SHOBHA.R	Ellipse Technologies
81	4PS15CS031	DARSHINI S K	HCL
82	4PS15CS020	ASHWINI POOJARI M H	Capgemini
83	4PS15CS027	CHANDAN M	Capgemini
84	4PS15CS049	MAHESH M	Capgemini
85	4PS15CS062	MONA KUMARI	Capgemini
86	4PS15CS099	SATHVIK G	Capgemini
87	4PS15CS116	SURABHI AK	Capgemini
88	4PS15CS132	VINUTHA HL	Capgemini
89	4PS15CS025	BINDUJA DAS	Capitalaim
90	4PS15CS048	MADHURI PM	Capitalaim
91	4PS15CS060	MOHD SAIF ANSARI	Capitalaim
92	4PS15CS002	ADITHYA M V	Teksystmes
93	4PS15CS008	AMOGH BABU K A	Teksystmes
94	4PS15CS009	AMRUTHA LAKSHMI M	Teksystmes
95	4PS15CS022	BHARGAVI G N	Teksystmes
96	4PS15CS038	GUNESH PRASAD S	Teksystmes
97	4PS15CS048	MADHURI PM	Teksystmes
98	4PS15CS063	NEELAMBIKA H S	Teksystmes
99	4PS15CS071	PALLAVI SUBRAYA MOGERA	Teksystmes
100	4PS15CS105	SHOBHA.R	Teksystmes
101	4PS15CS111	SINCHANA M	odessa
102	4PS15CS008	AMOGH BABU K A	6D Technology
103	4PS15CS039	HARISH M	6D Technology
104	4PS16CS413	MEGHANA D M	6D Technology

**Department of Electronics & Communication Engineering**

Sl. No	Name	USN	Company
1	4PS15EC034	KEERTHANA D	SLK
2	4PS15EC050	MANISHA H M	SLK
3	4PS15EC074	PRAJWAL B S	SLK

4	4PS15EC123	MANASA M R	SLK
5	4PS15EC032	K BHAGYASHREE	6th energy
6	4PS15EC061	NANDI VISHAL U	6th energy
7	4PS15EC084	RAKSHITH M	6th energy
8	4PS15EC078	RACHANA A	E&Y
9	4PS15EC070	POORNIMA M GOWDA	E&Y
10	4PS15EC007	ANIL KUMAR B R	Global Edge
11	4PS15EC094	SANJANA.S.R	Global Edge
12	4PS15EC096	SHASHANK A P	Global Edge
13	4PS15EC066	POOJA D T	Continental
14	4PS15EC098	SHILPASHREE B G	Continental
15	4PS15EC019	DISHA J H	Continental
16	4PS15EC049	MANISH R GOWDA	Continental
17	4PS15EC051	MANOHAR S	Continental
18	4PS15EC108	SUMANTH H S	Continental
19	4PS15EC121	DEEPAK V G	Continental
20	4PS15EC036	KISHOR KUMR	Continental
21	4PS15EC112	VARSHA S SWAMY	Continental
22	4PS15EC118	YOGESH B L	Texas Instruments
23	4PS15EC002	ABHILAKSHI N	TCS
24	4PS15EC008	ANUPAMA K M	TCS
25	4PS15EC012	CHANDINI K J	TCS
26	4PS15EC014	CHETHAN GOWDA H R	TCS
27	4PS15EC018	DINESH PARAMRSHAPPA KUNDAGOL	TCS
28	4PS15EC020	DIVYASHREE P	TCS
29	4PS15EC023	GAGAN M N	TCS
30	4PS15EC043	MADHUMAHESHWARI J	TCS
31	4PS15EC045	MADHUSHREE K	TCS
32	4PS15EC049	MANISH R GOWDA	TCS
33	4PS15EC061	NANDI VISHAL U	TCS
34	4PS15EC078	RACHANA A	TCS
35	4PS15EC103	SHWETHA V	TCS
36	4PS15EC003	AKSHATA SAJJAN	Qspider
37	4PS15EC025	HAJIRA SAHEEL	Qspider
38	4PS15EC033	K V NAGA VISHNUVARDHAN	Qspider
39	4PS15EC054	MOHAMMED ZUFRAN	Qspider
40	4PS15EC060	NAGESH KUMAR L	Qspider
41	4PS15EC063	NITISH KUMAR ROY	Qspider
42	4PS15EC094	SANJANA.S.R	TALLY
43	4PS15EC111	TANMAYA S A	Benz
44	4PS15EC120	YASHAS K R	Accord Software



45	4PS15EC009	ANUSHREE PAI G	Infosys
46	4PS15EC011	BHARATH U	Infosys
47	4PS15EC026	HARSHITH N	Infosys
48	4PS15EC036	KISHOR KUMR	Infosys
49	4PS15EC092	SAGAR L P	Infosys
50	4PS15EC099	SHIVARAJU C	Infosys
51	4PS15EC109	SUPREETH P	Infosys
52	4PS15EC118	YOGESH B L	Infosys
53	4PS15EC116	VISHWANATH S	Infosys
54	4PS15EC122	MADHUCHANDRA L	Infosys
55	4PS15EC121	DEEPAK V G	Wipro
56	4PS15EC119	HARSHITH MR	Wipro
57	4PS15EC035	KHUTEJATUL KUBRA	Wipro
58	4PS15EC042	LOKESHA R	Wipro
59	4PS16EC411	MAHESHA K.S	Wipro
60	4PS15EC059	NAGARATNA GUDLANOOR	Wipro
61	4PS15EC086	RAVI KIRAN K B	Wipro
62	4PS15EC100	SHRAVYA H R	Wipro
63	4PS15EC035	KHUTEJATUL KUBRA	Lowes
64	4PS15EC109	SUPREETH P	Lowes
65	4PS15EC022	FAISAL MAHAMOOD	Mphasis
66	4PS15EC089	ROHITH PH	Mphasis
67	4PS15EC001	A SUHAS	Ellipse Technologies
68	4PS15EC017	DHEERAJ UPADHYA	Capgemini
69	4PS15EC048	MANASA N	NTTDATA
70	4PS15EC108	SUMANTH H S	NTTDATA
71	4PS15EC112	VARSHA S SWAMY	NTTDATA
72	4PS15EC019	DISHA J H	6D Technology
73	4PS15EC067	POOJA MK	Jspider
74	4PS15EC069	POORNIMA ALSE	Jspider
75	4PS15EC076	PREETHAM G T	Jspider
76	4PS15EC077	PUSHPA S P	Jspider
77	4PS15EC079	RADHA M K	Jspider
78	4PS15EC082	RAKSHITH C.M	Jspider
79	4PS15EC090	ROJA S	Jspider
80	4PS15EC102	SHREYAS J	Jspider
81	4PS15EC104	SINDHU B	Jspider
82	4PS16EC401	CHANDANKUMAR M P	Jspider
83	4PS16EC408	KAVITHA M	Jspider
84	4PS16EC412	MAMATHA A P	Jspider
85	4PS16EC421	REVATHI N	Jspider
86	4PS16EC424	SHIVAKUMARA S	Jspider

87	4PS16EC427	SURAIYA SULTANA	Jspider
88	4PS16EC429	VENUGOPAL	Jspider

**Department of Electrical & Electronics Engineering**

Sl. No	Name	USN	Company
1	4PS15EE014	KOWSALYA S	SLK
2	4PS15EE002	AKSHATHA N.K	SLK
3	4PS15EE034	SUBRAMANYA Y A	E&Y
4	4PS15EE024	NITHIN Y P	Continental
5	4PS15EE024	NITHIN Y P	Continental
6	4PS15EE006	CHANDAN HS	MINDTREE
7	4PS15EE006	CHANDAN HS	TCS
8	4PS15EE015	TRIVENI. L	TCS
9	4PS15EE040	YASHWANTH G M	TCS
10	4PS15EE017	MANJU RAGHAVENDRA K R	Infosys
11	4PS15EE034	SUBRAMANYA Y A	Wipro
12	4PS15EE035	SUMA K P	wipro
13	4PS16EE409	PRASANNA KUMAR	wipro
14	4PS15EE020	MAUNIKA	AXISCADES
15	4PS15EE012	JAYASHANKAR M	Lowes
16	4PS15EE012	JAYASHANKAR M	cognizant
17	4PS15EE027	RAGHU M	HCL
18	4PS15EE028	RAKSHITHA M G	Taj
19	4PS15EE013	JUNAID SHABIR QURASHI	Capitalaim
20	4PS15EE026	PRIYANAKA K	Capitalaim
21	4PS15EE022	MEGHA N S	Teksystmes
22	4PS15EE023	MITHUN R	Teksystmes
23	4PS15EE018	MANUJA T S	Jspider
24	4PS15EE028	RAKSHITHA M G	Jspider
25	4PS15EE031	SAHANA C M	Jspider
26	4PS15EE038	THANMAYI L N	Jspider
27	4PS16EE412	ROJA T K	Jspider
28	4PS15EE019	MAQSOOD SHARIFF M	PRDC

**Department of Information Science & Engineering**

Sl.No	Name	USN	Company
1	4PS15IS014	NOOPUR G	SLK
2	4PS15IS026	TRISHUL SUMUKH R	Continental
3	4PS15IS007	GIRISH A R	TCS
4	4PS15IS015	PRATIK JHA	TCS
5	4PS15IS026	TRISHUL SUMUKH R	TCS
6	4PS15IS014	NOOPUR G	Infosys
7	4PS15IS013	MANDARA KR	Infosys

8	4PS15IS015	PRATIK JHA	Infosys
9	4PS15IS016	PRIYADARSHINI H S	Infosys
10	4PS15IS021	SHREE RAKSHA M R	Infosys
11	4PS15IS023	SRIVIDYA.M.S.	Infosys
12	4PS15IS027	VARUN P	Wipro
13	4PS15IS018	RAUSHANI KUMARI	Lowes
14	4PS16IS402	PRUTHVI.P.ALVA	Ellipse Technologies
15	4PS15IS012	MADIHA KHIZAR	Teksystmes
16	4PS15IS024	SWATHI P B	Teksystmes
17	4PS16IS403	PUNEETH KUMAR P	Teksystmes
18	4PS15IS001	ABHAY V BELAGODU	6D Technology
19	4PS15IS028	VARUN VASIST G	6D Technology
20	4PS15IS010	HAZIMALANGBABA	Jspider

**Department of Mechanical Engineering**

<b>Sl. No</b>	<b>Name</b>	<b>USN</b>	<b>Company</b>
1	4PS15ME016	BHARATH A S	SLK
2	4PS15ME037	INAYATE UR REHAMAN	SLK
3	4PS15ME121	VEERESH SUNKAD	SLK
4	4PS15ME049	KIRANAKUMARA K M	TCS
5	4PS15ME095	SHASHANK A	Infosys
6	4PS15ME083	RAVINDRA H D	Infosys
7	4PS15ME013	ASHWATH K S	Wipro
8	4PS15ME012	ASHOK S	Wipro
9	4PS15ME037	INAYATE UR REHAMAN	Wipro
10	4PS15ME043	KALPANA H.S	Wipro
11	4PS15ME106	SOMASHEKAR M	Wipro
12	4PS15ME016	BHARATH A S	AXISCADES
13	4PS15ME022	CHETHAN C	AXISCADES
14	4PS15ME072	PRANAV KUMAR N	AXISCADES
15	4PS15ME103	SHREYAS G U	AXISCADES
16	4PS15ME016	BHARATH A S	Face
17	4PS15ME004	ADITHYA G	Symbio Consults
18	4PS15ME103	SHREYAS G U	Symbio Consults
19	4PS16ME405	FARHAN SIDDIQ	Shriram Transport Finance Company Limited
20	4PS15ME055	MANJUNATH D R	Shriram Transport Finance Company Limited
21	4PS15ME010	ARUNKUMAR BHAGAVANTAPPA BASHETTI	ELEATION
22	4PS15ME028	GANESH M ARADHYAMATH	ELEATION
23	4PS15ME063	NAGENDRAKUMARA C A	ELEATION

24	4PS16ME052	MAHADEVAPRASAD N	ELEATION
25	4PS15ME004	ADITHYA G	Teksystmes
26	4PS15ME029	GANESHA P	Teksystmes
27	4PS15ME079	RAKESH K	Teksystmes
28	4PS15ME087	SACHIN JADEJA J	Teksystmes

**Department of Industrial & Production Engineering**

Sl.No	Name	USN	Company
1	4PS15IP004	CHANDANA H	Gokaldas Exports Limited
2	4PS15IP010	KARTHIK M	Gokaldas Exports Limited
3	4PS15IP034	VYSHNAVI D S	Face
4	4PS15IP028	SHIVAMURTHY	Shriram Transport Finance Company Limited
5	4PS15IP002	AKSHAY G R	Capitalaim
6	4PS15IP004	CHANDANA H	Capitalaim
7	4PS15IP017	MOHAMMED RUMAN	Capital aim
8	4PS15IP023	RAKSHITH M K	Teksystmes
9	4PS15IP031	SUPRITHA PRASAD	Teksystmes

**Department of Automobile Engineering**

Sl.No	Name	USN	Company
1	4PS15AU016	SAMRAT U	AXISCADES
2	4PS15AU012	Rajat Yadav	24/7

**Department of Civil Engineering**

Sl.No	Name	USN	Company
1	4PS15CV024	HARSHITHA H K	Wipro

<b>XXIII</b>	<b>Open Day Project Exhibition</b>
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An “Innovative Technical Projects Exhibition – 2019” has been organized on 13th and 14<sup>th</sup> June 2019 at Dr.H.D.Chowdaiah Auditorium and IC Engines Lab, P.E.S. College of Engineering, Mandya. The exhibition was held under the leadership of Principal Dr. H.V. Ravindra and coordinated by Dean (Industry Institute Interaction) Dr. B.S. Shivakumara and his team.

The objectives of the exhibition were:

1. To provide the platform and unleash the potential of the students by showcasing their innovative projects
2. To provide an opportunity for the students to demonstrate their learning experience
3. To motivate and kindle the innovativeness among other Staff/students/visitors
4. To encourage the activities of R&D

Dr. H.D.Chowdaiah, Chairman P.E.T @, Mandya has inaugurated the exhibition at 9.30 am at Dr.H.D. Chowdaiah Auditorium. P.E.T @, Treasurer Sri.M.B. Bore gowda, GC Members Sri Chandra Mohan and Sri Shiva Prasad, Chairman BOG Dr.Ramalingaiah, Principal Dr.H.V Ravindra,

Dean(I.I.I) Dr.B.S Shivakumara and Coordinator TEQIP Sri.Dinesh prabhu were graced the occasion. Several students, Faculty and visitors were participated in the exhibition.

53 innovative Projects in the areas of Electronics and Communication Engg, Electrical and Electronics Engg, Computer Science and Engg, Civil Engg, Industrial and Production Engg, Mechanical Engg, Information Science and Engg, Automobile Engg and MCA were exhibited. This Exhibition is funded by **TEQIP-Phase III**. Dr. S.L Ajit Prasad, Dr.Devdatt, Prof,S.K Uma and Dr.Punith were served as judges of the exhibition. 31 projects were selected for I/II/and III places in each department (UG/PG).

Dr. D.K. Subramanian, Retired Professor of Indian Institute of Science, Bangalore, Member, Board of Governors and Technical expert has visited the “Innovative Technical Projects Exhibition – 2019” on Saturday, 15th June 2019 and selected worthy Innovative projects for the financial assistance of the TEQIP phase-3 and appreciated the organization of the exhibition. He was accompanied by the Principal Dr.H.V.Ravindra, Chairman, Board of Governors Dr.Ramalingaiah, Dean (I.I.I), Dr.B.S.Shivakumara and TEQIP Coordinator Sri Dinesh Prabhu.

The outcomes of the exhibition are as follows:

1. Boost up in morality and confidence of the participants
2. Learning experience of the students gears up momentum for future professional career
3. Development of scientific thinking among students/visitors
4. Acceleration to the activities of R&D

The exhibition motivated the students/Faculty to think in terms of getting the patents for their projects. The exhibition attracted several media persons and it was well covered in News paper and TV Channel. It has created the scene of festival in the college campus.

**Winners of Innovative Technical Projects exhibition – 2019**

Place	Title of the Project	Name(s) of the Student	Name of the Guide
<b>B.E(Automobile)</b>			
<b>I</b>	IOT application for agricultural electric cart	SAMRAT U SANDESH S SOMAYYA GANGAYYA MATHAPATHI VIJAYAKUMAR S	B Dinesh Prabhu
<b>II</b>	“Project on safe riding with nfc mode And anti theft mechanism”	CHANGAPPA P B MEGHANA RAJESHWARI J R MOHITH K R NARAYANA P	K Ramesh

<b>B.E(Civil)</b>			
<b>I</b>	An experimental study on light transmitting concrete	Poornima D. Shailaja T Pooja H P Santosh G Sachidananda B	Rashmi M.P.
<b>II</b>	Experimental study on ferrocement with coir fibre	Madhu B. Priyanka M.N. Karthik H.R. Arunkumar M.G. Harshitha H.K	Abhishek G.B
<b>III</b>	Reclaimed asphalt pavement	Spandana Varun S Chavan Priyanka M Pawan H S Prathvini B M	Sumanth S
<b>M.Tech(Civil)</b>			
<b>I</b>	Comparative study on seismic performance of simple steel frame and braced steel frame using shake table	Kavitha Raj	Sandeep kumar D S
<b>B.E(CS&amp;E)</b>			
<b>I</b>	Virtual classroom using augmented reality	Kaushik arakalgud S Vasuki varuna Y R Shreyas H. N. Sinchana M hadli	Bhavya D
<b>II</b>	Smart blindstick using IOT	Gowda tejas Harish M Mohammed ismail khan S Prasanna	H.P.Ramyashree
<b>III</b>	Smart security solution and adaptive street light system	Kavyashree B K Anusha G K Divyashree L	Shruthi P S
<b>M.Tech(CS&amp;E)</b>			
<b>I</b>	Ensemble Of Segmentation Methods For Detecting Breast Cancer	Shashank A R	M.Veena
<b>I</b>	Security System For Forests	Deeksha V	Dr. M.C.Padma

<b>II</b>	Alternate Energy Generating From Busy Roads For The Development Of Smart Cities	Harshith K S	S.K.Uma
<b>III</b>	Soil Expert : A Sensor Based Soil Tester With Automated Crop Predictions Based On Nutrients	Chaithra N T	Dr. Nagarathna
<b>B.E(E&amp;C)</b>			
<b>I</b>	Smart Mirror using Raspberry Pi 3	Akshaygowda C M Faisal Mahamood Tayaba Afshan Suraiya Sultana	Jayanna S S
<b>II</b>	Precise soil and water management using IOT	Bharath N Bharath U Dheeraj Upadhya Harshith N	Revanesh.M
<b>III</b>	Microcontroller Based Waste Segregator	Akshata Sajjan Lavanya C Madhushree K Pasupuleti HariPriya	Mahesh Kumar A S
<b>B.E(E&amp;E)</b>			
<b>I</b>	Smart Helmet Based On IOT	Darshan C P Mahesh B Maqsood Shariff M Varun Bharadwaj V	B N Harish
<b>II</b>	OTP Based Lineman Security System	Thejaswini K P Sahana C M Kowsalya Meghana R N	H.C Manohara
<b>III</b>	Automatic Strategy To Control Entire Villager's Water Pumps With User Level Authentication	Thejas M G Priyanka K Spoorthi B C Manuja T S	Dr.Gopiya Naik.S
<b>III</b>	Condition Monitoring And Fault Detection System In Transformer Using Internet Of Things	Madan H B Nithin Y P Raghu M Subramanya Y A	Dr. Gopiya Naik S
<b>B.E(I&amp;P)</b>			
<b>I</b>	Design And Fabrication Of Pneumatic Sheet Metal Shearing Machine	Akshay G R Deepak M Karthik M P Preetham	M A Venugopal

<b>B.E(IS&amp;E)</b>			
<b>I</b>	Liver segmentation and Tumour Detection	Varun Vasist G Trishukl Samukha R Pruthvi P Alva Deepathi Raj	DR.Mninavathi
<b>II</b>	Acne detection and classification system	Approva M Noopru G Priyadarshini H S Varun P	T.M Geethanjali
<b>III</b>	Type of leaf classification using Machine learning	Mandara K R Siddarth H B Raghavendra Shenoy Hazimalangbaba	Sri. T.S.Prabhakar
<b>B.E(Mechanical)</b>			
<b>I</b>	Design and Fabrication of Low-Cost Lake Weed Harvesting Machine	Pramod kumar M Pranav kumar N Prapulla chadan thayurkar Manoj murthy R	Chadrashekar V C
<b>I</b>	Design and Fabrication of Water Hyacinth Harvesting Machine	Mohammed Shahid Afrid Mohan kumar A R Nagendrakumar C A Nandiash N	Mahendra Babu K J
<b>II</b>	Fabrication of Conceptual Model of Intelligent Braking System	Sharvan singh J Somashekar M Somashekar S D Sudharshan K Nayak Sumanth S Supradeep Vasista R	A.N
<b>III</b>	Design and Fabrication of Multipurpose Agriculture Equipment	H B Puttuprasad Hemanthagiri S Inayate Ur Rehaman Jagadeesh A	Dr.H.P.Raju
<b>MCA</b>			
<b>I</b>	Crime pattern protection using Machine learning Algorithms	Janavi	Dr.M.N Veena
<b>II</b>	Physical Handicap patient chair monitoring system using IOT	Sachin B K	Bhavya B M
<b>III</b>	Media based secure data segmentation	Arunkumari S	K.M Sowmyashree





**Project Exhibition Inauguration & Demonstration of Projects**

XXIV


Graduation Day for 2019


**PROGRAMME :**

- > Invocation
- > Nadageete
- > Welcome by **Dr. H V Ravindra**, Principal
- > Graduation Day Protocol begins
- > Graduation Day Address by Chief Guest:  
- **Dr. Girish Bharadwaj**
- > Address by Guest of Honor  
- **Sri. Umesh Chandra**
- > Presidential Address by:  
- **Dr. H.D. Chowdaiah**
- > Felicitation to Guests by  
- **Governing Council Chairman**
- > Graduation Day Protocol Concludes
- > National Anthem
- > Procession Returns

**Note:**

- Graduates are informed to report at 9:00 am for receiving and wearing gowns
- Invitees shall occupy their seats by 09.45 am and shall not leave the Venue during the ceremony.
- Cell phones should be switched off during the program.
- When the ceremonial procession enters the Venue, all are requested to stand up and remain so till the dignitaries take their seats.
- After the programme, everyone will remain standing till the procession leaves the Venue.
- Children below 12 years are not permitted to accompany the invitees.






**P.E.S COLLEGE OF ENGINEERING, MANDYA.**  
(An Autonomous Institution affiliated to VTU, Belagavi and Aided by Govt. of Karnataka)

*Cordially invites you to the*

**10<sup>th</sup>**  
**Graduation Day**



Venue : **Dr. H. D. Chowdaiah Auditorium,**  
**P.E.S. College of Engineering, Mandya**

Date : **Saturday, 24-08-2019**



**10ನೇ ಪದವಿ ಪ್ರಧಾನ ಸಮಾರಂಭ**

ದಿನಾಂಕ : 24-08-2019ರ ಶನಿವಾರ  
ಸಮಯ : ಬೆಳಿಗ್ಗೆ 10:30 ಗಂಟೆಗೆ

ಮುಖ್ಯ ಅತಿಥಿಗಳು :  
**ಪದ್ಮಶ್ರೀ ಡಾ. ಗಿರಿಶ್ ಭಾರದ್ವಾಜ್ (ಬ್ರಿಡ್ಜ್ ಮ್ಯಾನ್)**  
ಪ್ರೊಪ್ರೀಟರ್ ಆಯ್ಕೆ ಶಿಲ್ಪ (ಸ್ಟ್ಯಾಟೂಯ್ ಇನ್ ಸ್ಟೀಲ್)  
ಪ್ರಶಸ್ತಿ ಪದಕ ಪ್ರಧಾನ ಮಾಡುವವರು

ಗೌರವಾನ್ವಿತ ಅತಿಥಿಗಳು :  
**ಶ್ರೀ ಉಮೇಶ್ ಚಂದ್ರ**  
ಎಕ್ಸ್‌ಕ್ಯೂಟಿವ್ ಡೈರೆಕ್ಟರ್-ಸ್ಪೆಷಲ್ ಪ್ರಾಜೆಕ್ಟ್, ಬಿ.ಇ.ಎಮ್.ಎಲ್ ಲಿಮಿಟೆಡ್, ಬೆಂಗಳೂರು.  
ಪದವಿ ಪ್ರಧಾನ ಮಾಡುವವರು

ಸಮಾರಂಭದ ಅಧ್ಯಕ್ಷತೆ :  
**ಡಾ. ಹೆಚ್.ಡಿ. ಚೌಡಯ್ಯರವರು**, ಬಿ.ಎಸ್.ಸಿ.(ಆಗ್ರಿ), ಡಿ.ಲಿಟ್.  
(ಅಧ್ಯಕ್ಷರು, ಜನತಾ ಶಿಕ್ಷಣ ಟ್ರಸ್ಟ್(ರಿ) ಮತ್ತು ಆಡಳಿತ ಮಂಡಳಿ,  
ಪಿ.ಇ.ಎಸ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು, ಮಂಡ್ಯ)

**ಸರ್ವಲಿಂಗೂ ಸುಸ್ವಾಗತ**

ಸ್ಥಳ : ಡಾ. ಹೆಚ್.ಡಿ. ಚೌಡಯ್ಯ ಸಭಾಂಗಣ, ಪಿ.ಇ.ಎಸ್. ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು, ಮಂಡ್ಯ

<b>ಡಾ. ಕೆ.ನರಸಿಂಹಚಾರ್</b> ಪರೀಕ್ಷಾ ನಿಯಂತ್ರಣಾಧಿಕಾರಿ	<b>ಡಾ. ಹೆಚ್.ವಿ.ವೆಂಕಟಪ್ಪ</b> ಪ್ರಾಂಶುಪಾಲರು	<b>ಡಾ. ನಾಗರತ್ನ</b> ಡೀನ್ (ಶೈಕ್ಷಣಿಕ)
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**ಸಿಬ್ಬಂದಿ ಮತ್ತು ವಿದ್ಯಾರ್ಥಿಗಳು**  
ಪಿ.ಇ.ಎಸ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು, ಮಂಡ್ಯ





**10<sup>th</sup> Graduation Day**

Date : Saturday, 24-08-2019  
Time : 10:30 am

Chief Guest :  
**Padmashree Dr. Girish Bharadwaj** (Bridge Man)  
(Proprietor AYASSHILPA – Sculptures in Steel)  
**Confer medals to Toppers**

Guest of Honor :  
**Sri. Umesh Chandra**  
(Executive Director – Special Projects, B.E.M.L Limited, Bangalore)  
**Award degree Certificates**

Presided by :  
**Dr. H.D.Chowdaiah** B.Sc.(Aagri), D.Lit.  
(Chairman, Governing Council & People's Education Trust®,  
P.E.S.C.E, Mandya)

*Please do come and grace the occasion*

Venue : **Dr. H. D. Chowdaiah Auditorium, P.E.S. College of Engineering, Mandya**

<b>Dr. K.Narasimhachary</b> Controller of Examinations	<b>Dr. H.V.Ravindra</b> Principal	<b>Dr. Nagarathna</b> Dean (Academic)
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**Staff & Students**  
PESCE, Mandya



**P.E.S. College of Engineering, Mandya-571401, (Karnataka)**  
(An Autonomous Institution affiliated to VTU, Belagavi)

Learning is a treasure that will follow its owner everywhere ?



**161<sup>th</sup>  
Rank**

*in*



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