



K S INSTITUTE OF TECHNOLOGY

Kanakapura Main Road, Raghuvanahalli, Bangalore-109

Department of Mechanical Engineering

Date: 04.09.2019

CIRCULAR

All the 7th Semester students are hereby informed to checkup notice board for project phase – I presentation schedule.

Students those who are attending Infosys drive can attend the drive. You can give presentation at next project phase –I schedule.

The presentation should contain.

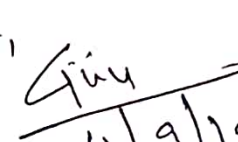
- At least 3 concepts of different problem & proposal.
- Slide should contain titles of 3 different project concepts. Highlight the problem & provide proposal of solution.
- The problem should be identified in solving societal, Technological, Environment or safety related problem and its solutions.
- Review team will suggest the concept to be selected for your project work.

Venue of presentation : Room No. 304 3rd floor.
Date : 13th & 14th September 2019.

Co ordinator

Naremalek 
Naremalek 

HOD

for, 
4/9/19.
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

7th A CIM Lab - 
Design Lab - Ranganth  [A₂ Batch]
CAZ



K S INSTITUTE OF TECHNOLOGY

Kanakapura Main Road, Raghuvanahalli, Bangalore-109

Department of Mechanical Engineering

Date: 11.09.2019

CIRCULAR

All faculties are hereby requested to participate in project phase -I review which is going to be conducted on 13th & 14th Sep 2019. The main agenda of this program is to suggest the best project work to student group. So that they can take up as project work.

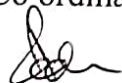
Student project group representative will present their concepts of interest in front of review team. The students those who have Infosys drive will take-up this presentation in next schedule.

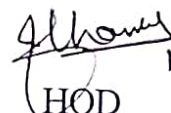
Date: 13th & 14th Sep 2019

Venue: Seminar Hall -II, Second Floor

Thanking you,

Co ordinator

 Nareesh B.

 11/9/19
HOD

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

Note: Project work group and schedule details are attached



KSIT
K.S. INSTITUTE OF TECHNOLOGY

K S INSTITUTE OF TECHNOLOGY

Kanakapura Main Road, Raghuvanahalli, Bengaluru-109

Department of Mechanical Engineering

Date: 18.09.2019

CIRCULAR

All the students of 7th sem Mechanical Engineering are here by informed there is Project phase – I presentation on 20.09.2019 from 8.30am to 4.30pm. The batches who have not finalized project work till now are allowed to give presentation. The presentation should contain Minimum 3 project concepts.

Co-ordinator

Nirmala.L - ms

Nalash.k - ks

7th A - Kann ks

7th B - Gg

7th A - bt ks

7th B - Bu ks ks

7th B - Gg

7th A - Thy

18/9/19
HOD

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.



K S INSTITUTE OF TECHNOLOGY

Kanakapura Main Road, Raghuvanahalli, Bengaluru-109

Department of Mechanical Engineering

Date: 07.11.2019

CIRCULAR

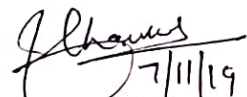
All the students of 7th semester A and B section are here by informed that the Final Project phase – I presentation is Scheduled from 11th, 12th and 13th November 2019 at 8.30am to 4.30pm. Venue: Mechanical seminar hall second floor.

The requirements of the seminar project first phase is as follows:

- Students should present the seminar as per the batch number in order. The Slot timings will be displayed in the Notice Board.
- The standard format of Presentation only should be used which will be circulated by the department project coordinators.
- Prior to the seminar presentation the Presentation content should be reviewed by corresponding Guide and should submit the dully signed copy of the phase one report and Synopsis.
- Each team will be given 10 to 15 minutes for presentation of their project work. Followed by the presentation there will be questioning session by the review members.
- Projects selected should complete the proposal of KSCST for the grants. Further details on this interact with guide.
- The mail will be sent to you regarding the details and format of presentation. Please follow the instructions given.
- Students should follow the formal dress code for presentation (white shirt and black trousers preferably).
- Use Professional English during the presentation and prepare well for the queries and answer to the point.

Circulate to Students

7A - }
7B - } *message sent by what's up*
manu


7/11/19
Signature of HOD

Prof. Umashankar M
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.



K S INSTITUTE OF TECHNOLOGY BANGALORE

DEPARTMENT OF MECHANICAL ENGINEERING

Panel Evaluation sheet for project phase I

Assigned	Exceeds Expectations (15)	Meets Expectations (12)	Below Expectations (9)	Unacceptable (0)
Creativity and innovativeness in problem statement	Project idea is very creative and original.	Creativity and originality in project idea.	Idea of project is somewhat creative and original.	Lack of Creativity and originality in project idea.
Knowledge of related problem and use of resources and methodology/ Approach used	Literature review is complete; sufficient detail is provided. Very good understanding of the problem and relevant material.	Literature review is brief but complete. Good understanding of the problem, with study of relevant material.	Literature review is brief, with insufficient details. Basic understanding of the problem, but lack appropriate study of relevant material.	Literature review in project is incomplete. Bare understanding of the problem, with scarce knowledge of relevant material.
Domain Knowledge of problem statement.	Excellent Domain Knowledge	Good Domain Knowledge.	Poor Domain Knowledge	Lack of Domain Knowledge
Presentation skills and coordination etc.,	-Excellent organization and preparation -Confident and relaxed in the whole presentation.	Good organization and preparation -Confident in most parts of the presentation.	Basic organization and preparation Confident in only some parts of the presentation.	Lack of confidence and familiarity in some parts of the presentation.

J. Shankar
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 108.

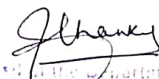


K S INSTITUTE OF TECHNOLOGY BANGALORE

DEPARTMENT OF MECHANICAL ENGINEERING

Guide Evaluation sheet for project phase I

Assigned	Exceeds Expectations (10)	Meets Expectations (8)	Below Expectations (6)	Unacceptable (4)
Creativity and innovativeness in problem statement (10 Marks)	Project idea is very creative and original.	Creativity and originality in project idea.	Idea of project is somewhat creative and original.	Lack of Creativity and originality in project idea.
Knowledge of related problem and use of resources and methodology/ Approach used (10 Marks)	Literature review is complete; sufficient detail is provided. Very good understanding of the problem and relevant material.	Literature review is brief but complete. Good understanding of the problem, with study of relevant material.	Literature review is brief, with insufficient details. Basic understanding of the problem, but lack appropriate study of relevant material.	Literature review in project is incomplete. Bare understanding of the problem, with scarce knowledge of relevant material.
Interaction with guide, (Attendance/Regularity) (10 Marks)	90-100% attendance	80-90% attendance in all project classes	60-80% attendance in all project classes	Below 60% attendance
Teamwork (10 Marks)	The team worked well together to achieve objectives. Each member contributed in a valuable way to the project.	The team worked well together most of the time, with only a few occurrences of communication breakdown or failure to collaborate when necessary.	The team worked together but with many instances of occurrences of communication breakdown or failure to collaborate when necessary	The team did not collaborate or communicate well. Some members work independently, without regard to objectives or priorities.


 Head of the Department
 Dept. of Mechanical Engg.
 K.S. Institute of Technology
 Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

The Following are the Final year Students Project work Batch details of the year 2019-20 and Marks list batch wise.

Date: 14/12/2019

Batch. NO.	USN	NAME OF THE STUDENT	GUIDE name and signature	Project work title	Guide evaluation marks (40 Marks)		Panel evaluation Marks (60 Marks)		Total Marks (100)	Signature of the guide
1	1KS16ME438	VISHWANTH B NAIK	Mr. Nagaprasad K S	Emission reduction of Diesel engine by using the DPF, DOL and injecting diesel exhaust fuel in exhaust pipes.	10+10+9+10	39	12+12+15+15	54	93	TH
	1KS15ME018	CHETAN KUMAR M			10+10+9+10	39	12+12+15+15	54	93	TH
	1KS16ME408	HANAMANTHAPPA			10+10+9+10	39	12+12+12+12	48	87	TH
2	1KS16ME010	ASHWIN MAIYA.M	Mr. Umashankar M	Design and Fabrication Solid waste collector and water deforthing device	10+10+8+10	38	15+15+15+12	57	95	TH
	1KS16ME023	HARSHITH.S			8+10+8+10	36	15+15+15+15	60	96	TH
	1KS16ME038	M.VENKATESH KASHYAP			8+8+8+10	34	15+15+15+15	60	94	TH
	1KS16ME044	MANOJ.R			10+8+8+10	36	15+15+15+15	60	96	TH
3	1KS16ME093	VARUN.C	Mr. Anil Kumar A	Design and Fabrication of Bio Stove Using Bio Mass Briquettes as Fuel.	10+8+8+10	36	12+12+15+12	51	87	TH
	1KS17ME406	DEEPAK.E			10+10+10+10	40	12+12+15+12	51	91	TH
	1KS17ME435	SHASHIKUMAR.C.R			10+8+10+10	38	12+12+15+12	51	89	TH
	1KS16ME105	RAKESH.B.R			8+8+8+8	32	12+12+15+12	51	83	TH
4	1KS16ME004	ABHILASH.S	Mr. Nagabhushan	Effect of machining parameters on surface finish steel material	10+10+10+10	40	15+15+12+15	57	97	TH
	1KS16ME006	ABHISHEK PAREEK			10+10+10+10	40	15+12+15+12	54	94	TH
	1KS16ME031	JAYDEEP.B			10+10+10+10	40	15+15+12+12	54	94	TH
	1KS16ME026	HITESH.C.S			10+10+10+10	40	15+15+12+12	54	94	TH
5	1KS17ME420	MOHAN KUMAR.C	Mr. Harish U	Enhancing the life of gas turbine blades by altering the composition of coating	10+10+10+8	38	12+12+9+9	42	80	TH
	1KS17ME419	MITHUN.S			10+10+10+8	38	12+12+9+9	42	80	TH
	1KS17ME410	GURUSWAMY.H			10+10+10+10	40	12+12+9+9	42	82	TH
6	1KS15ME048	RAMA KRISHNA .N	Dr.Ajay Kumar	Wave power conversion using a bi-directional flow turbine	10+10+8+10	38	12+15+12+15	54	92	TH
	1KS15ME058	R. THEJAS			10+10+8+10	38	12+15+12+15	54	92	TH
	1KS15ME098	THEJAS CHANDRA K N			10+10+8+10	38	12+15+12+15	54	92	TH
	1KS16ME029	JAGADISH.P.SHETTI			10+10+8+10	38	12+15+12+15	54	92	TH
7	1KS17ME434	SHASHANK.Y.K	Dr.Girish T R	Investigation of mechanical properties of hybrid reinforced composites.	10+8+10+8	36	12+12+12+12	48	84	TH
	1KS17ME417	MAHESH.D			8+10+8+10	36	12+12+12+12	48	84	TH
	1KS17ME418	MANISH.N.D			8+10+8+10	36	12+12+12+12	48	84	TH
	1KS17ME444	VINAY.S			10+8+10+8	36	12+12+12+12	48	84	TH

8	1KS16ME089	SUMESH.R	Mr. Anilkumar A	Propulsion of Turbojet Engine Using Hydrogen Extracted from HHO Generator.	10+10+10+10	40	15+15+12+12	54	94	Mr.
	1KS16ME090	SUPREETH.K.R			10+10+10+10	40	15+15+12+12	54	94	Mr.
	1KS16ME082	SHIVASHANKAR.B.M			10+10+10+10	40	15+15+15+15	60	100	Mr.
	1KS16ME085	SREEKARA.K.B			10+10+10+10	40	15+15+15+15	60	100	Mr.
9	1KS16ME009	ASHOK KUMAR KARMALI	Mr. Manjunath K V	Design and fabrication of Automatic Stair Climbing Wheel Chair	10+8+8+8	34	12+12+15+15	54	88	Mr.
	1KS16ME036	KIRAN PRAKASH AKOLKAR			10+8+10+8	36	12+12+15+15	54	90	Mr.
	1KS16ME021	HARSHA.S			10+10+8+8	36	12+12+15+15	54	90	Mr.
10	1KS16ME014	CHANDAN KUMAR.N.P	Mr. Bharath kumar KR	Design and fabrication pneumatic scissor lift for loading and unloading.	8+10+10+10	38	12+15+12+12	51	89	Mr.
	1KS16ME024	HEMANTH.R			8+10+10+10	38	12+15+12+12	51	89	Mr.
	1KS16ME040	MADAN.S			8+10+10+10	38	12+15+12+12	51	89	Mr.
	1KS15ME110	PRAJWAL URS.P			8+10+10+10	38	12+15+12+12	51	89	Mr.
11	1KS16ME406	BALAJI.C	Mr. Manjunath K V	Numerical and Experimental Modal Parameter of Verticle Tail fin of Unmanned Aerial Vehical	10+8+8+8	34	15+15+12+12	54	88	Mr.
	1KS16ME419	PRAVEEN KUMAR M			10+8+8+8	34	15+15+12+12	54	88	Mr.
	1KS16ME424	ROHIT V RAO			10+8+8+8	34	15+15+12+12	54	88	Mr.
	1KS17ME411	JEEVAN ABHISHEK			10+8+8+8	34	15+15+12+12	54	88	Mr.
12	1KS15ME044	MITHUL KIRTHIC J	Mr. Nagabhushan	Fabrication and Analysis of Multipurpose Agriculture Machine.	10+8+10+10	38	15+12+15+12	54	92	Mr.
	1KS15ME053	PAVAN KUMAR REDDY V			10+8+10+10	38	15+15+12+12	54	92	Mr.
	1KS14ME030	GONUGUNTULA PRASHANTH			10+8+10+10	38	12+12+15+15	54	92	Mr.
	1KS16ME403	ANAND L.H			10+8+10+10	38	12+12+15+15	54	92	Mr.
13	1KS16ME049	NAGESH.T.S	Mr. Barath kumar KR	Autonomous path finding by wheeled robot using A*algorithm	10+10+10+10	40	15+15+12+15	57	97	Mr.
	1KS16ME012	BHARGAV JOSHI			10+10+10+10	40	15+15+12+15	57	97	Mr.
	1KS16ME047	NAGARJUN.S			10+10+10+10	40	15+15+12+15	57	97	Mr.
	1KS16ME053	NITHIN.N			10+10+10+10	40	15+15+12+15	57	97	Mr.
14	1KS16ME033	KANISHKA.P.SHANKAR	Mr. Manjunath B R	Characterization of Mechanical properties of AL6061 hybrid composites	10+9+10+10	39	12+12+12+12	48	87	Mr.
	1KS16ME015	CHIRAG.B.P			9+10+10+10	39	12+12+12+12	48	87	Mr.
	1KS16ME013	BHUVAN BHARADWAJ.V.K			9+10+10+10	39	12+12+12+12	48	87	Mr.
	1KS16ME022	HARSHAVARDHAN.N			9+10+10+10	39	12+12+12+12	48	87	Mr.
15	1KS17ME421	MOHAN KUMAR.K	Mr. Ranganath N	Mechanical behaviour of PLA based composite reinforced with metal alloys	9+9+10+10	38	12+12+9+9	42	80	Mr.
	1KS17ME402	ARUN KUMAR.R			10+9+10+10	39	12+12+9+9	42	81	Mr.
	1KS17ME415	LOHITH.R			9+9+10+10	38	12+12+9+9	42	80	Mr.
	1KS17ME439	SURABHI.N			9+9+9+10	37	12+12+9+9	42	79	Mr.
16	1KS16ME046	MOHAN KUMAR.N	Mrs. Nirmala L	Desalination of water using Graphene.	8+10+8+10	36	15+15+15+15	60	96	
	1KS16ME056	PAVAN KUMAR.L			10+10+10+10	40	15+15+15+15	60	100	
	1KS14ME115	CHANNAPPAGOUNDA			8+8+7+7	30	15+12+15+15	57	87	
	1KS16ME052	NAVEEN DESHPANDE			8+10+8+10	36	15+12+15+15	57	93	

17	1KS16ME054	P.VIGNESH	Mr. K Prasad	Design and Fabrication of Semi-Automatic Sprinkler.	10+10+10+10	40	15+15+15+12	57	97	}
	1KS16ME002	ABHIJEETH.B.BHAT			10+10+10+10	40	12+15+15+15	57	97	
	1KS16ME084	SOWJANYA.D			10+10+10+10	40	15+12+12+15	54	94	
	1KS16ME097	VINAY.B.V			10+10+10+10	40	15+15+12+15	57	97	
18	1KS16ME008	AMOGHA.M.KEKUDA	Mr. Naresha K	Design and Analysis of Heat Sink with Fins of Different Configuration.	10+8+8+8	34	15+15+15+15	60	94	}
	1KS16ME045	MOHAMMED YASIR RIAZ			10+8+8+8	34	15+15+15+15	60	94	
	1KS16ME035	KAUSHIK.K.H			10+8+10+10	38	15+15+15+15	60	98	
19	1KS16ME016	DEEPAK.R.GOWDA	Mrs. Nirmala L	Effect of Preoxidation on Nitrocarburizing of Low or Medium Carbon Steel	10+10+10+10	40	12+12+15+15	54	94	}
	1KS16ME025	HEMANTH KUMAR.D.L			10+10+10+10	40	15+15+12+12	54	94	
	1KS16ME096	VIJAYKUMARNAIK.T.C			10+10+10+10	40	15+15+12+12	54	94	
	1KS16ME099	VINITH.P			10+10+8+10	38	15+15+12+12	54	92	
20	1KS16ME095	VIJAYA KUMAR.M.S	Mrs.Sree Sudha	Fabrication of Soil Scraper for Coconut Trees	8+10+10+10	38	12+15+12+12	51	89	}
	1KS16ME094	VASANTH KUMAR.S			10+10+10+10	40	12+15+12+12	51	91	
	1KS16ME087	SUDHARSHAN.M.D			10+10+10+10	40	12+15+12+12	51	91	
	1KS16ME028	IRANNA CHANABASAPPA TELI			10+10+10+10	40	12+15+12+12	51	91	
21	1KS16ME019	HARISH HADIMANI	Mr. Madhu	Design and fabrication and Performance Analysis of Nut Separator from the Cashew Fruit.	10+10+8	36	15+15+15+12	57	95	}
	1KS16ME048	NAGARJUN.S			8+8+8+10	34	15+15+15+12	57	91	
	1KS16ME081	SHIVARAJ.N.S			10+10+10+10	40	15+15+15+12	57	97	
	1KS16ME100	VITHAN.T.R			8+8+8+8	32	15+15+15+12	57	89	
22	1KS16ME058	PECHU MUTHU.S	Mr. Gautham S	Design and Automation of Nutrient Feed System to Enhance Growth Rate In Hydroponics.	10+10+9+9	38	15+15+15+15	60	98	}
	1KS16ME063	PRAMOD RAJ.K			9+7+7+7	30	15+15+15+15	60	90	
	1KS16ME073	SAGAR.N			10+10+8+8	36	15+15+15+15	60	96	
	1KS16ME076	SHARATH.S.YADAV			8+8+9+9	34	15+15+15+15	60	94	
23	1KS16ME070	RISHI.R.NAIK	Mr. Ganesh A B	Phase Heat Transfer Inside Internally Helical Grooved Horizontal Small Diameter Tubes.	10+10+10+10	40	15+15+15+15	60	100	}
	1KS16ME075	SHAIK MOINUDDIN			10+10+10+10	40	15+15+15+15	60	100	
	1KS16ME057	PAVITHRA.B			10+10+10+10	40	15+15+12+12	57	97	
24	1KS17ME423	NIKHIL GOWDA.N.S	Dr.Ajay Kumar	Manufacturing and experimental evaluation of the mechanical properties of flat hybrid sandwich panels.	9+9+10+10	38	12+12+12+15	51	89	}
	1KS17ME413	KIRAN.S			8+8+10+10	36	12+12+12+12	48	84	
	1YD16ME104	MD.JUFFIKIR			8+8+10+10	36	12+12+12+12	48	84	
	1KS17ME416	MAHADEVARAJU.H.E			8+8+9+10	35	12+12+12+15	51	86	
25	1KS16ME098	VINAY.V.P	Mr. Parashuram	Thermal Management of Electronic Equipments Using Oscillating Heat Pipes with Binary Mixture of Working	10+10+10+10	40	15+15+15+15	60	100	}
	1KS16ME083	SIRISH GOVARDHAN			10+10+10+10	40	15+15+15+15	60	100	
	1KS16ME101	ABHIJITH.C			10+10+10+10	40	15+15+15+15	60	100	
	1KS16ME102	MADHU.G.K			10+10+10+10	40	15+15+15+15	60	100	

26	1KS17ME425	PRATAP.L	Mr. K Prasad	Recycling of Waste Plastics.	10+10+10+10	40	15+15+12+12	54	94	} 100
	1KS17ME430	RAKESH B.R			10+10+8+10	38	15+15+12+12	54	92	
	1KS17ME408	GUHAN BHASKAR			10+10+10+10	40	15+15+12+12	54	94	
	1KS17ME442	THRIVENI.M			10+10+10+10	40	15+12+10+10	54	88	
27	1KS17ME431	RAKSHITH.L	Mr. Nagaprasad K S	Implimentation of Friction Less Breaking Sysytem.	10+10+9+10	39	15+15+12+12	54	93	} 100
	1KS17ME437	SRINIVASA.B.V			10+10+9+10	39	15+15+12+12	54	93	
	1KS17ME440	SUSHMA.Y.S			10+9+9+9	37	15+15+12+12	54	91	
	1KS17ME441	TEJAS.P.N			10+10+9+9	38	15+15+12+12	54	92	
28	1KS16ME011	BHARATHKUMAR.P	Dr.Girish T R	Design and Fabrication of Wet Waste Disposer	10+8+10+8	36	15+15+12+15	57	93	} 100
	1KS16ME027	IMRAN KHAN			10+8+8+10	36	15+15+12+15	57	93	
	1KS16ME055	PAPPU KUMAR SINGH			10+8+10+8	36	15+15+12+15	57	93	
	1KS16ME032	JUNAID KHAN			10+8+10+8	36	15+15+12+15	57	93	
29	1KS16ME064	PRANAV.J.ATHREY	Mr. Murulidhar K S	Design and fabrication of Pre heating Chamber For 4 Stroke Diesel Engine for Boi Diesel usage.	10+10+10+10	40	15+15+15+15	60	100	} 100
	1KS16ME060	PRAJWAL KRISHNA			10+8+10+10	38	12+12+9+9	42	80	
	1KS16ME061	PRAKASH RAJU.S			10+10+10+10	40	15+15+15+15	60	100	
	1KS16ME062	PRAMOD.R			10+10+10+10	40	15+15+15+15	60	100	
30	1KS16ME030	JAYANTH.P	Mr. Murulidhar K S	Design anf fabrication of fire extinguisher using sound waves.	8+8+8+6	30	12+12+12+9	42	75	} 100
	1KS16ME067	RAJUMAR.S.K			8+8+8+6	30	12+12+12+9	42	75	
	1KS16ME069	RAMESH PAL.P			8+8+8+6	30	12+12+12+9	42	75	
	1KS15ME015	BHARATH .R			8+8+8+6	30	12+12+12+9	42	75	
31	1KS15ME028	HARITHUS.V	Mr.Manjunath B R	Design and fabrication of rocker Boogie mobility system for uneven surfaces.	9+10+10+10	39	15+12+15+12	54	93	} 100
	1KS15ME042	MAHANTESH			10+10+8+9	37	12+12+9+12	45	82	
	1KS15ME046	MUTTURAJ V KESANUR			10+10+9+8	37	12+9+12+9	42	79	
	1KD16ME010	Sagar c			9+9+8+8	34	12+9+12+9	42	76	
32	1KS16ME086	SUDARSHAN.T	Mr.Ranganath N	Pyrolysis of plastics to extract crude oil.	9+9+9+10	37	12+12+9+9	42	79	} 100
	1KS17ME401	ARUNKUMAR.E			10+10+9+10	39	12+12+9+9	42	81	
	1KS17ME404	CHETHAN.C.R			10+9+9+10	38	12+12+9+9	42	80	
	1KS17ME405	DARSHAN.H.R			9+9+10+9	37	12+12+9+9	42	79	
33	1KS17ME409	GURUPRASAD.T.M	Mr.Kaushik M M	Design and fabrication of mini ground nut shelling maching.	10+8+10+8	36	12+12+12+12	48	84	} 100
	1KS17ME412	KANTHARAJU.K.N			10+8+10+8	36	12+12+12+12	48	84	
	1KS17ME422	NAGESH.S			8+10+8+10	36	12+12+12+12	48	84	
	1KS17ME426	PRATHEEK.P			10+10+8+10	38	12+12+12+12	48	86	
34	1KS16ME401	AKSHAY ARAKERIMATH	Mr.Naresha K	Design and Fabrication of Mono Wheel using Recycled Automobile Engine.	10+8+8+8	34	12+12+12+9	45	79	} 100
	1KS16ME429	SOWMYA B			10+8+8+8	34	15+12+12+12	51	85	
	1KS16ME 441	GOWTHAM PRASAD			10+8+8+8	34	15+12+15+15	57	91	
	1KS17ME432	RAVI.K.R			10+8+8+8	34	12+12+12+9	45	79	

35	1KS15ME052	RAKSHITH	Mr. Harish U	Design and Fabrication of wind up car	8*8*8	32	12*12*12*9	45	77	<i>[Signature]</i>
	1KS16ME430	SUNIL GOWDA			10*8*8	34	12*12*12*9	45	79	<i>[Signature]</i>
	1KS15ME109	MAHANIDHI			10*10*8	36	12*12*12*9	45	81	<i>[Signature]</i>

[Signature]
 Head of the Department
 Dept. of Mechanical Engg
 K.S. Institute of Technology
 Bengaluru - 560 109.



K S INSTITUTE OF TECHNOLOGY BANGALORE
DEPARTMENT OF MECHANICAL ENGINEERING

Course: PROJECT WORK PHASE-I

Course Code: 15MEP78

IMPLEMENTATION

Project work Phase I is initiated at the end of the sixth semester of third year, first formation of the groups of 3 to 4 students. Then we have collected area of interest from the students project declaration form. As per the area of interest of project group, the HOD and Project coordinators allocated the guides. In semester 7, evaluation team of 4 senior members and guide is formulated to follow up the project group's progress. Then in first week of 7th semester, students give presentation on two to three problem statements which they have identified in front of evaluation team. After presentation, evaluation team members either finalize one problem statement or they give comments or revision or modifications or reject it and give the instructions to find new problem statements. After that project group takes action on comment / revisions / modifications suggested by evaluation team.

B E Project is divided into two phases B E Project Phase-I and B E Project Phase – II.

- **In project Phase-I**, there are total three evaluations. First evaluation is based on problem statement then identification of methodology used and Literature survey/Gather & analyze info from multiple sources which is innovative. Second evaluation is based on Domain knowledge and presentation skills. Third evaluation is based on completion of at least one project modules i.e. its proper design and implementation, we have also checked organization of content and readability in the report.
- **In B E project Phase-II**, there are total two evaluations. First evaluation is based on proper implementation of all modules in project and testing of all project modules. Second evaluation is based on changes suggested in previous implemented modules and paper or project presented in any national or international conferences, journals or project competitions.
-



K S INSTITUTE OF TECHNOLOGY BANGALORE

DEPARTMENT OF MECHANICAL ENGINEERING

PO'S		CO'S	PROJECT WORK
PO1	Science and engineering Knowledge	CO1	Interact with various industries and identify real world problem statement / identify problems in engineering and technology in selected field of interest.
PO2	Problem Analysis	CO2	Synthesize and apply the mechanical knowledge of engineering to design and implement solutions to open-ended problems
PO3	Design & Development	CO3	Design and Develop the concept with mechanical Engineering practices and standards.
PO4	Investigations of Complex Problems	CO4	Use different tools for communication, design, implementation, testing and report writing.
PO5	Modern Tool Usage	CO5	Analyzing professional issues, including ethical, legal, environmental and safety issues, related to project.
PO6	Engincer & Society	CO6	Develop better interpersonal communication skills, team work and leadership qualities.
PO7	Environment and Society	CO7	Acquire writing and oral presentation skills.
PO8	Ethics		
PO9	Individual & Team Work		
PO10	Communication		
PO11	Project Mngmt & Finance	PSO1: Ability to apply concept of mechanical engineering to design a system, a component or a process/system to address a real world challenges	
PO12	Lifelong Learning	PSO2: Ability to develop effective communication, team work, entrepreneurial and computational skills	



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DEPARTMENT OF MECHANICAL ENGINEERING

CO-PO-PSO MAPPING:

17MEP	Blooms Level	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
CO1	K4	-	-	-	3	-	-	3	-	-	-	-	1	3	2
CO2	K4	3	3	-	3	3	-	-	-	1	-	-	-	3-	2
CO3	K4	-	-	3	3	3	-	-	3	1	-	-	-	3	2
CO4	K4	-	-		3	-	-	-	-	-	-	-	-	3	3
CO5	K4	3	-	-	-	-	3	3	3	-	-	-	1	3	2
CO6	K4	-	-	-	-	-	-	-	3	3	3	-	3	3	3
C07	K4	-	-	-	-	-	-	-	-	-	3	-	3	3	3
AVERAGE		3	3	3	3	3	3	3	3	1.25	3	-	2	2	2.42



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RUBRICS

Sr. No:	Rubric	Exceeds Expectations	Meets Expectations	Below Expectations	Unacceptable
1.	Creativity and Innovation in problem statement.(CO1)	Project idea is very creative and original.	Creativity and originality in project idea.	Idea of project is somewhat creative and Innovation.	Lack of Creativity and Innovation in project idea.
2.	Knowledge of related problem and use of resources and methodology / approach used. (CO1)	Literature review is complete; sufficient detail is provided. Very good understanding of the problem and relevant material.	Literature review is brief but complete. Good understanding of the problem, with study of relevant material.	Literature review is brief, with insufficient detail. Basic understanding of the problem, but lack appropriate study of relevant material	Literature review in project is incomplete. Bare understanding of the problem, with scarce knowledge of relevant material
3.	Domain Knowledge of problem Statement. (CO2)	Excellent Domain Knowledge	Good Domain Knowledge.	Poor Domain Knowledge	Lack of Domain Knowledge
4.	Technical Contents (CO3)	Very excellent technical contents.	Good technical contents.	Very poor technical contents.	Lack of technical contents.
5.	Design validation (CO3)	Code is working properly and validations are used everywhere in project and exception handling is used properly.	Code is working properly and validations are used at some places only and exception handling is used Properly.	Code is working properly but validations are not used but exception handling is used properly.	Code is not working properly and validations are not used and exception handling is not used properly.



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Sr. No:	Rubric	Exceeds Expectations	Meets Expectations	Below Expectations	Unacceptable
6.	Proper design development and	Design is executed properly and validations are used	Design is executed properly and validations are	Design is executed properly but validations are not	design is not executed properly and
	Implementation of all modules in project. (CO3)	Everywhere in project and exception handling is used properly.	used at some places only and exception Handling is used properly.	Used but exception handling is used properly.	validations are not used and exception Handling is not used properly.
7.	Partial Project Report writing using tools. (CO4)	Well proofread Clear and easy to understand Graphs and diagrams used appropriately	A few errors in spelling and grammar Readable and easy to understand	Some errors in spelling and grammar Some errors in spelling and grammar Readable	Frequent errors in spelling and grammar Mostly readable, but a few points are hard to understand
8.	Testing of project modules and use of appropriate tools/techniques. (CO4)	-Test cases are written properly. -Testing tools are used. -All test cases are covered.	-Test cases are written properly. -Testing tools are used. -Some test cases are missing.	-Test cases are not written properly. -Testing tools are used. -Some test cases are missing.	-Test cases are not written properly. -Testing tools are not used. -Some test cases are missing.
9.	Problem solving abilities to solve Societal and Environmental issues (CO4)	Societal issues are solved completely and Environmental issues are also solved properly	Environmental issues are not solved but Societal issues are solved	Societal are not solved but Environmental issues are partially solved	Societal and Environmental issues are not solved
10.	Successfully completed with Changes suggested. (CO5)	Changes suggested is implemented properly and validations are used everywhere in project and exception handling is used properly.	Changes suggested are implemented properly and validations are used at some places only and exception handling is used Properly.	Changes suggested are partially implemented.	Changes suggested are not implemented properly.
11.	Individual Participation with question & Answer (CO6)	Handle difficult questions with ease and Confidence Illustrative explanation	Answer most questions Correctly and concisely.	Answer most questions correctly Need clarification	Answer at least one question Correctly.



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Sr. No:	Rubric	Exceeds Expectations	Meets Expectations	Below Expectations	Unacceptable
6.	Proper design development and	Design is executed properly and validations are used	Design is executed properly and validations are	Design is executed properly but validations are not	design is not executed properly and
	Implementation of all modules in project. (CO3)	Everywhere in project and exception handling is used properly.	used at some places only and exception Handling is used properly.	Used but exception handling is used properly.	validations are not used and exception Handling is not used properly.
7.	Partial Project Report writing using tools. (CO4)	Well proofread Clear and easy to understand Graphs and diagrams used appropriately	A few errors in spelling and grammar Readable and easy to understand	Some errors in spelling and grammar Some errors in spelling and grammar Readable	Frequent errors in spelling and grammar Mostly readable, but a few points are hard to understand
8.	Testing of project modules and use of appropriate tools/techniques. (CO4)	-Test cases are written properly. -Testing tools are used. -All test cases are covered.	-Test cases are written properly. -Testing tools are used. -Some test cases are missing.	-Test cases are not written properly. -Testing tools are used. -Some test cases are missing.	-Test cases are not written properly. -Testing tools are not used. -Some test cases are missing.
9.	Problem solving abilities to solve Societal and Environmental issues (CO4)	Societal issues are solved completely and Environmental issues are also solved properly	Environmental issues are not solved but Societal issues are solved	Societal are not solved but Environmental issues are partially solved	Societal and Environmental issues are not solved
10.	Successfully completed with Changes suggested. (CO5)	Changes suggested is implemented properly and validations are used everywhere in project and exception handling is used properly.	Changes suggested are implemented properly and validations are used at some places only and exception handling is used Properly.	Changes suggested are partially implemented.	Changes suggested are not implemented properly.
11.	Individual Participation with question & Answer (CO6)	Handle difficult questions with ease and Confidence Illustrative explanation	Answer most questions Correctly and concisely.	Answer most questions correctly Need clarification	Answer at least one question Correctly.



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DEPARTMENT OF MECHANICAL ENGINEERING

Sr. No:	Rubric	Exceeds Expectations	Meets Expectations	Below Expectations	Unacceptable
				sometimes	
12.	Paper Presented /Project presented in different competitions. (CO6)	Paper is presented in conference and selected as best paper and Project is presented in project competition and got first prize.	Paper is presented in conference and selected as best paper or Project is presented in project competition and got any prize.	Paper is presented in conference but not selected as best paper. Project is presented in project competition but Not got any prize.	Paper is not presented in any conference or journal. Project is not presented in any project competition.
13.	Presentation Skills. (CO7)	Excellent organization and preparation Confident and relaxed in the whole presentation	Good organization and preparation Confident in most parts of the presentation	Basic organization and preparation. Confident in only some parts of the presentation.	Lack of confidence and familiarity in some parts of the presentation
14.	Preparation of Genuine reports to avoid plagiarism. (CO7)	Well proofread Clear and easy to understand Graphs and diagrams used appropriately	A few errors in spelling and grammar. Readable and easy to understand	Some errors in spelling and grammar Readable	Frequent errors in spelling and grammar Mostly readable, but a few points are hard to understand



K S INSTITUTE OF TECHNOLOGY BANGALORE
DEPARTMENT OF MECHANICAL ENGINEERING

PANEL EVALUATION SHEET FOR PROJECT PHASE I

Assigned	Exceeds Expectations (15)	Meets Expectations (12)	Below Expectations (9)	Unacceptable (0)
Creativity and innovativeness in problem statement (15 Marks)	Project idea is very creative and original.	Creativity and originality in project idea.	Idea of project is somewhat creative and original.	Lack of Creativity and originality in project idea.
Knowledge of related problem and use of resources and methodology/ Approach used (15 Marks)	Literature review is complete; sufficient detail is provided. Very good understanding of the problem and relevant material.	Literature review is brief but complete. Good understanding of the problem, with study of relevant material.	Literature review is brief, with insufficient details. Basic understanding of the problem, but lack appropriate study of relevant material.	Literature review in project is incomplete. Bare understanding of the problem, with scarce knowledge of relevant material.
Domain Knowledge of problem statement. (15 Marks)	Excellent Domain Knowledge	Good Domain Knowledge.	Poor Domain Knowledge	Lack of Domain Knowledge
Presentation skills and coordination etc., (15 Marks)	-Excellent organization and preparation -Confident and relaxed in the whole presentation.	Good organization and preparation -Confident in most parts of the presentation.	Basic organization and preparation Confident in only some parts of the presentation.	Lack of confidence and familiarity in some parts of the presentation.



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GUIDE EVALUATION SHEET FOR PROJECT PHASE I

Assigned	Exceeds Expectations (10)	Meets Expectations (8)	Below Expectations (5)	Unacceptable (0)
Creativity and innovativeness in problem statement (10 Marks)	Project idea is very creative and original.	Creativity and originality in project idea.	Idea of project is somewhat creative and original.	Lack of Creativity and originality in project idea.
Knowledge of related problem and use of resources and methodology/ Approach used (10 Marks)	Literature review is complete; sufficient detail is provided. Very good understanding of the problem and relevant material.	Literature review is brief but complete. Good understanding of the problem, with study of relevant material.	Literature review is brief, with insufficient details. Basic understanding of the problem, but lack appropriate study of relevant material.	Literature review in project is incomplete. Bare understanding of the problem, with scarce knowledge of relevant material.
Interaction with guide, (Attendance/Regularity) (10 Marks)	90-100% attendance	80-90% attendance in all project classes	60-80% attendance in all project classes	Below 60% attendance
Teamwork (10 Marks)	The team worked well together to achieve objectives. Each member contributed in a valuable way to the project.	The team worked well together most of the time, with only a few occurrences of communication breakdown or failure to collaborate when necessary.	The team worked together but with many instances of occurrences of communication breakdown or failure to collaborate when necessary	The team did not collaborate or communicate well. Some members work independently, without regard to objectives or priorities.

[Signature]
 Head of the Department
 Dept. of Mechanical Engg.
 K.S. Institute of Technology
 Bengaluru - 560 109.

KSCST Project proposal details 2019-20
Department of Mechanical Engineering
KSIT- Bangalore-109

Sl No.	Title of the project	Name of the Team Leader	College USN	Contact no.	Email ID	Name of the guide	contact No	Email-ID	DD NO.	Date	Name of the bank	DD amount	Proposed budget
1	Desalination of water using Graphene.	Mr. PAVAN KUMAR L	IKS16ME056	9036283976	pavan991@outlook.com	Dr. Nirmala L	9481425430	nirmalal@ksit.edu.in	805137	11-12-19	Canara Bank	Rs.1000	Rs. 10,000
2	Propulsion of Turbojet Engine Using Hydrogen Extracted from HHO Generator.	Mr. SREEKARA K B	IKS16ME085	9738930062	sreekara kb@gmail.com	Mr. Anilkumar A	8197975168	anilkumara@ksit.edu.in	779518	03-12-19	State Bank of India	Rs.1000	Rs. 26,400
3	Design and Fabrication of solid waste collector and defrothing Lake Filtration Vehicle	Mr. M.VENKATESH KASHYAP	IKS16ME038	7204016250	venkatesh_kashyap@outlook.com	Mr. Umashankar	9901933334	umashankarm@ksit.edu.in	779517	02-12-19	State Bank of India	Rs.1000	Rs. 12,670
4	Emission reduction of diesel engine by using the DPF, DOC and injecting diesel exhaust fluid in exhaust pipe	Mr. VISHWANTH B NAIK	IKS16ME438	8310627570	vishforyou29@gmail.com	Dr. Nagaprasad K S	9945343463	nagaprasadks@ksit.edu.in	805131	10-12-19	Canara Bank	Rs.1000	Rs. 18,000
5	Design and Fabrication of Semi-Automatic Sprinkler	Mr. VINAY B V	IKS16ME097	9686460732	bvvinay98@gmail.com	Mr. Prasad K	9591841935	prasadk@ksit.edu.in	779536	10-12-19	State Bank of India	Rs.1000	Rs. 22,600
6	Wave power conversion using a bi-directional flow turbine	Mr. RAMA KRISHNA N	IKS15ME048	9019906565	nramakrishna@gmail.com	Dr. Ajay Kumar	9845249046	ajaykumarbs@ksit.edu.in	692232	10-12-19	State Bank of India	Rs.1000	Rs. 32,500
7	Experimental Studies of Oscillating Heat pipes using Conventional fluids and carbon nanotubes based fluids	Mr VINAY VP	IKS16ME098	9886395604	vinayamin1997@gmail.com	Mr. Parashuram AK	9620365016	parashuramak@ksit.edu.in	498783	28/11/2019	Canara Bank	Rs.1000	Rs. 14,000
8	Design and Automation of Nutrient Feed System to Enhance Growth Rate in Hydroponics	Mr. S PECHU MUTHU	IKS16ME058	8123547466	pechumuthu98@gmail.com	Mr. Gautham S	7022278448	gauthams@ksit.edu.in	952019	12-12-19	State Bank of India	Rs.1000	Rs. 14,500
9	Design and Fabrication of Food Waste Disposal System and Composting	Mr. BHARATH KUMAR P	IKS16ME011	7676310843	bharathkumarp18@gmail.com	Dr. Girish T R	9916915517	girishshastrytr@ksit.edu.in	779544	11-12-19	State Bank of India	Rs.1000	Rs. 20,850
10	Design and Development of Automatic stair climbing wheel chair	Mr. HARSHA S	IKS16ME021	7022139760	harsha8716sith@gmail.com	Mr. K V Manjunath	9740646829	manjunathkv@ksit.edu.in	779551	12-12-19	State Bank of India	Rs.1000	Rs. 20,850
11	Design and fabrication of soil scraper for coconut tree	MR. IRANNACHANNA BASAPPA TELI	IKS16ME028	6361574827	irannate028@gmail.com	Mrs N. Sreesudha	7760053000	sreesudhan@ksit.edu.in	779555	13-12-19	State Bank of India	Rs.1000	Rs. 19,500

K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109
MECHANICAL ENGINEERING BRANCH

The Following are the Final year Students Project work Batch details of the year 2019-20.

Date: 29/08/2019

BATCH No.	USN	NAME OF THE STUDENT	GUIDE
1	1KS16ME438	VISHWANTH B NAIK	Mr. Nagaprasad K S
	1KS16ME412	MOHAN S	
	1KS15ME018	CHETAN KUMAR M	
	1KS16ME408	HANAMANTHAPPA	
2	1KS16ME010	ASHWIN MAIYA.M	Mr. Umashankar M
	1KS16ME023	HARSHITH.S	
	1KS16ME038	M.VENKATESH KASHYAP	
	1KS16ME044	MANOJ.R	
3	1KS16ME093	VARUN.C	Mr. Anil Kumar
	1KS17ME406	DEEPAK.E	
	1KS17ME435	SHASHIKUMAR.C.R	
	1KS16ME105	RAKESH.B.R	
4	1KS16ME004	ABHILASH.S	Mr. Nagabhushan
	1KS16ME006	ABHISHEK PAREEK	
	1KS16ME031	JAYDEEP.B	
	1KS16ME026	HITESH.C.S	
5	1KS17ME420	MOHAN KUMAR.C	Mr. Nagabhushan
	1KS17ME419	MITHUN.S	
	1KS17ME410	GURUSWAMY.H	
	1KS17ME407	DEVIPRASAD.M	
6	1KS15ME048	RAMA KRISHNA .N	Dr.Ajay Kumar
	1KS15ME058	R. THEJAS	
	1KS15ME098	THEJAS CHANDRA K N	
	1KS16ME029	JAGADISH.P.SHETTI	

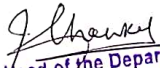
7	1KS17ME434	SHASHANK.Y.K	Dr.Girish T R
	1KS17ME417	MAHESH.D	
	1KS17ME418	MANISH.N.D	
	1KS17ME444	VINAY.S	
8	1KS16ME089	SUMESH.R	Mr. Anilkumar A
	1KS16ME090	SUPREETH.K.R	
	1KS16ME082	SHIVASHANKAR.B.M	
	1KS16ME085	SREEKARA.K.B	
9	1KS16ME009	ASHOK KUMAR KARMALI	Mr.Manjunath K V
	1KS16ME036	KIRAN PRAKASH AKOLKAR	
	1KS16ME021	HARSHA.S	
	1KS16ME007	ABHISHEK RaJ	
10	1KS16ME014	CHANDAN KUMAR.N.P	Mr. Barath kumar KR
	1KS16ME024	HEMANTH.R	
	1KS16ME040	MADAN.S	
	1KS15ME110	PRAJWAL URS.P	
11	1KS16ME406	BALAJI .C	Mr.Manjunath K V
	1KS16ME419	PRAVEEN KUMAR M	
	1KS16ME424	ROHIT V RAO	
	1KS17ME411	JEEVAN ABHISHEK	
12	1KS15ME044	MITHUL KIRTHIC J	Mr. Harish U
	1KS15ME053	PAVAN KUMAR REDDY V	
	1KS14ME030	GONUGUNTLA PRASHANTH	
	1KS16ME403	ANAND L H	
13	1KS16ME049	NAGESH.T.S	Mr. Barath kumar KR
	1KS16ME012	BHARGAV JOSHI	
	1KS16ME047	NAGARJUN.S	
	1KS16ME053	NITHIN.N	

14	1KS16ME033	KANISHKA.P.SHANKAR	Mr.Manjunath B R
	1KS16ME015	CHIRAG.B.P	
	1KS16ME013	BHUVAN BHARADWAJ.V.K	
	1KS16ME022	HARSHAVARDHAN.N	
15	1KS17ME421	MOHAN KUMAR.K	Mr.Ranganath N
	1KS17ME402	ARUN KUMAR.R	
	1KS17ME415	LOHITH.R	
	1KS17ME439	SURABHI.N	
16	1KS16ME046	MOHAN KUMAR.N	Mrs. Nirmala L
	1KS16ME056	PAVAN KUMAR.L	
	1KS14ME115	CHANNAPPAGOUDA	
	1KS16ME052	NAVEEN DESHPANDE	
17	1KS16ME054	P.VIGNESH	Mr. K Prasad
	1KS16ME002	ABHIJEETH.B.BHAT	
	1KS16ME035	KAUSHIK.K.H	
	1KS16ME097	VINAY.B.V	
18	1KS16ME008	AMOGHA.M.KEKUDA	Mr. Naresha K
	1KS16ME045	MOHAMMED YASIR RIAZ	
	1KS16ME084	SOWJANYA.D	
19	1KS16ME016	DEEPAK.R.GOWDA	Mrs. Nirmala L
	1KS16ME025	HEMANTH KUMAR.D.L	
	1KS16ME096	VIJAYKUMARNAIK.T.C	
	1KS16ME099	VINITH.P	

20	1KS16ME095	VIJAYA KUMAR.M.S	Mrs.Sree Sudha
	1KS16ME094	VASANTH KUMAR.S	
	1KS16ME087	SUDHARSHAN.M.D	
	1KS16ME028	IRANNA CHANABASAPPA TELI	
21	1KS16ME019	HARISH HADIMANI	Mr. Madhu G
	1KS16ME048	NAGARJUN.S	
	1KS16ME081	SHIVARAJ.N.S	
	1KS16ME100	VITHAN.T.R	
22	1KS16ME058	PECHU MUTHU.S	Mr. Gautham S
	1KS16ME063	PRAMOD RAJ.K	
	1KS16ME073	SAGAR.N	
	1KS16ME076	SHARATH.S.YADAV	
23	1KS16ME070	RISHI.R.NAIK	Mr. Ganesh A B
	1KS16ME075	SHAIK MOINUDDIN	
	1KS14ME046	MANISH.N	
	1KS16ME057	PAVITHRA.B	
24	1KS17ME423	NIKHIL GOWDA.N.S	Dr.Ajay Kumar
	1KS17ME413	KIRAN.S	
	1YD16ME104	MD.JUFFIKIR	
	1YD16ME010	SAGAR C	
25	1KS16ME098	VINAY.V.P	Mr. Parashuram
	1KS16ME083	SIRISH GOVARDHAN	
	1KS16ME101	ABHIJITH.C	
	1KS16ME102	MADHU G.K	

26	1KS17ME425	PRATAP.L	Mr. K Prasad
	1KS17ME430	RAKESH.B.R	
	1KS17ME408	GUHAN BHASKAR	
	1KS17ME442	THRIVENI.M	
27	1KS17ME431	RAKSHITH.L	Mr. Nagaprasad K S
	1KS17ME437	SRINIVASA.B.V	
	1KS17ME440	SUSHMA.Y.S	
	1KS17ME441	TEJAS.P.N	
28	1KS16ME011	BHARATHKUMAR.P	Dr.Girish T R
	1KS16ME027	IMRAN KHAN	
	1KS16ME055	PAPPU KUMAR SINGH	
	1KS16ME032	JUNAID KHAN	
29	1KS16ME064	PRANAV.J.ATHREY	Mr. Muralidhar K S
	1KS16ME060	PRAJWAL KRISHNA	
	1KS16ME061	PRAKASH RAJU.S	
	1KS16ME062	PRAMOD.R	
30	1KS16ME030	JAYANTH.P	Mr. Muralidhar K S
	1KS16ME067	RAJKUMAR.S.K	
	1KS16ME069	RAMESH PAL.P	
	1KS15ME015	BHARATH .R	
31	1KS15ME028	HARITHUS.V	Mr.Manjunath B R
	1KS15ME042	MAHANTESH	
	1KS15ME046	MUTTURAJ V KESANUR	
	1KS15ME102	VENKATESHA .N	

32	1KS16ME086	SUDARSHAN.T	Mr.Ranganath N
	1KS17ME401	ARUNKUMAR.E	
	1KS17ME404	CHETHAN.C.R	
	1KS17ME405	DARSHAN.H.R	
33	1KS17ME409	GURUPRASAD.T.M	Mr.Kaushik M M
	1KS17ME412	KANTHARAJU.K.N	
	1KS17ME422	NAGESH.S	
	1KS17ME426	PRATHEEK.P	
34	1KS16ME401	AKSHAY ARAKERIMATH	Mr.Naresha K
	1KS16ME429	SOWMYA B	
	1KS16ME 441	GAUTHAM PRASAD	
	1KS17ME432	RAVI.K.R	
35	1KS16ME402	AKSHAY S MASHAL	Mr.Harish U
	1KS15ME052	PARIKSHITH	
	1KS16ME430	SUNIL GOWDA	
	1KS15ME109	MAHANIDHI	


 Head of the Department
 Dept. of Mechanical Engg.
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K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF MECHANICAL ENGINEERING

Academic year 2019-20-Even semester

Date: 10/02/2020

CIRCULAR

All the students of 8th sem mechanical engineering students are here by informed to note the following project phase –II presentation tentative schedules.

ITEM	I PRESENTATION	II PRESENTATION	III PRESENTATION
Schedule dates	26.02.2020 to 28.02.2020	01.04.2020 to 03.04.2020	07.05.2020 to 09.05.2020
Contents to be delivered in presentations.	1. Synopsis, Introduction. 2. literature survey (Minimum 10 latest journal papers ie., 2015 to till date), 3. Objectives of the project work. 4. Methodology	1. Synopsis, Introduction, literature survey, 2. Objectives of the project work 3. Methodology 4. Theoretical Modelling and Experimentation details.	1. Objectives of the project work 2. Methodology 3. Experimentation details 4. Results and Discussion 5. Conclusion 6. Scope for future work. -References.
Note 1: Students should update the progress of their project work from the beginning of the semester as per the given schedule in the academic time table and follow the discipline to show case their project details to the corresponding guide and Panel members. Note 2: Students should strictly follow the dress code during their presentations, which is also a criterion in the project evaluation process. The dress code is as follows: Gents: Formal White shirt with Black or Blue Trousers. Ladies: Formal ladies White shirt with Black or Blue Trousers or Formal Indian Wears.			
Project report submission date	All students are Informed to Submit the final project work report on or before 23/05/2020 without fail.		

National conference	14.05.2020	All Final year students are informed mandatorily to participate and present their project work in this event. Note: Certificate will be awarded for the participants.
Project exhibition	15.05.2020	- All Final year students are informed mandatorily to participate and present their project work in this event. - Project Poster should be prepared and presented in the exhibition, the best poster will be appreciated. - Group should be ready to demonstrate their project concept with demo models/products/design discussion and representations. - Note: Two Best projects will be awarded and Mementos/Cash prize/ Certificate for the winners will be issued.

Note 1: The evaluation will be monitored and recorded to finalize the internal marks very meticulously. The verbal communication during presentation should be done in the English very strictly.

Note 2: Plagiarism check of the project work report is compulsory, which will be considered for internal and external evaluation process.

Signature of Coordinators

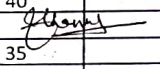
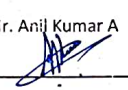
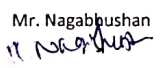
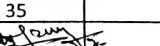
1. Nishmala-L 
2. Nallesh-K 


HoD Signature 10/2/2020
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

DEPARTMENT OF MECHANICAL ENGINEERING Final year Students Project work Phase-2 year 2019-20

Date: 15-06-2020

Bat ch. NO.	USN	NAME OF THE STUDENT	GUIDE name and signature	Project work title	Panel + Guide (Max. 60 Marks)	40 Marks	Total Marks
1	1KS16ME438	VISHWANTH B NAIK	Dr. Nagaprasad K S	Emission reductio of Diesel engine by using the DPF, DOL and injecting diesel exhaust fuel in exhaust pipes	52	35	87
	1KS15ME018	CHETAN KUMAR M			59 48 58	40	88 98 99
	1KS16ME408	HANAMANTHAPPA			44 4	35	79 89
					SIGNATURE OF GUIDE: 		
2	1KS16ME010	ASHWIN MAIYA.M	Mr. Umashankar M	Design and Fabrication Solid wastecollector and water deforthing device	58	40	98
	1KS16ME023	HARSHITH.S			58	40	98
	1KS16ME038	M.VENKATESH KASHYAP			58	40	98
	1KS16ME044	MANOJ.R			58	40	98
					SIGNATURE OF GUIDE: 		
3	1KS16ME093	VARUN.C	Mr. Anil Kumar A	Design and Fabrication of Bio-Stove Using Bio Mas; Briquettes as Fuel.	45	35	80
	1KS17ME406	DEEPAK.E			45	32	77
	1KS17ME435	SHASHIKUMAR.C.R			45	35	80
	1KS16ME105	RAKESH.B.R			45	32	77
					SIGNATURE OF GUIDE: 		
4	1KS16ME004	ABHILASH.S	Mr. Nagabhushan	Effect of machining parameters on surface finish steel material	58	40	98
	1KS16ME006	ABHISHEK PAREEK			58	40	98
	1KS16ME031	JAYDEEP.B			58	35	93
	1KS16ME026	HITESH.C.S			58	35	93
					SIGNATURE OF GUIDE: 		
5	1KS17ME420	MOHAN KUMAR.C	Mr. Harish U	Characterization of Hybrid composites	56	35	91
	1KS17ME419	MITHUN.S			53	35	88
	1KS17ME410	GURUSWAMY.H			55	35	90
					SIGNATURE OF GUIDE: 		

cc

6	1KS15ME048	RAMA KRISHNA .N	Dr.Ajay Kumar	Wave power conversion using a bi-directional flow turbine	58	35	93
	1KS15ME058	R. THEJAS			58	35	93
	1KS15ME098	THEJAS CHANDRA K N			58	35	93
	1KS16ME029	JAGADISH.P.SHETTI			58	35	93
					SIGNATURE OF GUIDE:		
7	1KS17ME434	SHASHANK.Y.K	Dr.Girish T R <i>Girish</i>	Investigation of mechanical properties of hybrid reinforced composites.	59	30	89 96
	1KS17ME417	MAHESH.D			59	30	89 96
	1KS17ME418	MANISH.N.D			59	30	89 96
	1KS17ME444	VINAY.S			59	30	89 96
					SIGNATURE OF GUIDE:		
8	1KS16ME089	SUMESH.R	Mr. Anilkumar A <i>AK</i>	Propulsion of Turbojet Engine Using Hydrogen Extracted from HHO Generator.	50	35	85 95
	1KS16ME090	SUPREETH.K.R			50	35	85 95
	1KS16ME082	SHIVASHANKAR.B.M			55	40	95 96
	1KS16ME085	SREEKARA.K.B			50	35	85 95
					SIGNATURE OF GUIDE: <i>AK</i>		
9	1KS16ME009	ASHOK KUMAR KARMALI	Mr.Manjunath K V <i>MA</i>	Design and fabrication of Automatic Stair Climbing Wheel Chair	59	30	89
	1KS16ME036	KIRAN PRAKASH AKOLKAR			58	35	93
	1KS16ME021	HARSHA.S			56	35	91
					SIGNATURE OF GUIDE:		
10	1KS16ME014	CHANDAN KUMAR.N.P	Mr. Bharath kumar KR	Design and fabrication pneumatic scissor lift for loading and unloading.	59	34	93
	1KS16ME024	HEMANTH.R			59	32	91
	1KS16ME040	MADAN.S			59	35	94
	1KS15ME110	PRAJWAL URS.P			59	35	94
					SIGNATURE OF GUIDE: <i>AK</i>		

11	1KS16ME406	BALAJI .C	Mr.Manjunath K V <i>Manjunath</i>	Numerical and Experimental Modal Parameter of Verticle Tail fin of Unmanned Aerial Vehical	58	34	92
	1KS16ME419	PRAVEEN KUMAR M			58	35	93
	1KS16ME424	ROHIT V RAO			57	32	89
	1KS17ME411	JEEVAN ABHISHEK			AB	25	92
					SIGNATURE OF GUIDE:		
12	1KS15ME044	MITHUL KIRTHIC J	Mr. Nagabhushan <i>Nagabhushan</i>	Fabrication and Analysis of Multipurpose Agriculture Machine.	57	30	87 96
	1KS15ME053	PAVAN KUMAR REDDY V			57	32	89 96
	1KS14ME030	GONUGUNTLA PRASHANTH			57	34	91 96
	1KS16ME403	ANAND L H			57	30	87 96
					SIGNATURE OF GUIDE:		
13	1KS16ME049	NAGESH.T.S	Bharath Mr. Bharath kumar KR Path Finding for a Four wheeled Robot in Static Environment using A* Algorithm	(Autonomous path finding by wheeled robot using A*algorithm)	59	40	99
	1KS16ME012	BHARGAV JOSHI			58	35	93
	1KS16ME047	NAGARJUN.S			57	30	87
	1KS16ME053	NITHIN.N			58	40	98
					SIGNATURE OF GUIDE:		
14	1KS16ME033	KANISHKA.P.SHANKAR	Mr.Manjunath B R <i>Manjunath</i>	Charectorization of Mechanical properties of AL6061 hybrid composites	59	30	89 98
	1KS16ME015	CHIRAG.B.P			58	32	90 95
	1KS16ME013	BHUVAN BHARADWAJ.V.K			58	30	88 95
	1KS16ME022	HARSHAVARDHAN.N			58	36	94 98
					SIGNATURE OF GUIDE:		
15	1KS17ME421	MOHAN KUMAR.K	Mr.Ranganath N <i>Ranganath</i>	Mechanical behaviour of PLA based composite reinforced with metal alloys	53	30	83
	1KS17ME402	ARUN KUMAR.R			46	30	76
	1KS17ME415	LOHITH.R			49	30	79
	1KS17ME439	SURABHI.N			48	30	78
					SIGNATURE OF GUIDE:		
16	1KS16ME046	MOHAN KUMAR.N	Dr. Nirmala L <i>Nirmala</i>	Desalintion of water using Graphene.	58	35	93
	1KS16ME056	PAVAN KUMAR.L			59	35	94
	1KS14ME115	CHANNAPPAGOUDA			50	30	80
	1KS16ME052	NAVEEN DESHPANDE			57	35	92
					SIGNATURE OF GUIDE:		

17	1KS16ME054	P.VIGNESH	Mr. K Prasad	Design and Fabrication of Semi-Automatic Sprinkler.	59	40	99	94 98 94 98 94 98
	1KS16ME002	ABHIJEETH.B.BHAT			59	35	94	
	1KS16ME084	SOWJANYA.D			59	35	94	
	1KS16ME097	VINAY.B.V			59	35	94	
					SIGNATURE OF GUIDE:			
18	1KS16ME008	AMOGHA.M.KEKUDA	Mr. Naresha K	Design and Analysis of Heat Sink with Fins of Different Configuration.	60	40	100	
	1KS16ME045	MOHAMMED YASIR RIAZ			60	38	98	
	1KS16ME035	KAUSHIK.K.H			60	36	96	
					SIGNATURE OF GUIDE:			
19	1KS16ME016	DEEPAK.R.GOWDA	Dr. Nirmala L	Effect of Preoxidation on Nitrocarburizing of Low or Medium Carbon Steel	56	35 30	91 86	95 90 95 90
	1KS16ME025	HEMANTH KUMAR.D.L			58	38 30	93 88	
	1KS16ME096	VIJAYKUMARNAIK.T.C			58	40 30	98 88	
	1KS16ME099	VINITH.P			55	35 30	90 85	
					SIGNATURE OF GUIDE:			
20	1KS16ME095	VIJAYA KUMAR.M.S	Mrs.Sree Sudha	Fabrication of Soil Scrapper for Coconut Trees	55	39	94	95 95 95 95
	1KS16ME094	VASANTH KUMAR.S			54	32	86	
	1KS16ME087	SUDHARSHAN.M.D			55	39	94	
	1KS16ME028	IRANNA CHANABASAPPA TELI			55	35	90	
					SIGNATURE OF GUIDE:			
21	1KS16ME019	HARISH HADIMANI	Mr. Madhu	Design and fabrication and Performance Analysis of Nut Separator from the Cashew Fruit	54	40	94	96 96 96 96
	1KS16ME048	NAGARJUN.S			50	35	85	
	1KS16ME081	SHIVARAJ.N.S			53	35	88	
	1KS16ME100	VITHAN.T.R			54	35	89	
					SIGNATURE OF GUIDE:			
22	1KS16ME058	PECHU MUTHU.S	Mr. Gautham S	Design and Automation of Nutrient Feed System to Enhance Growth Rate In Hydronomics	49	40	89 95	95 95 95 95
	1KS16ME063	PRAMOD RAJ.K			38	35	73 75	
	1KS16ME073	SAGAR.N			53	35	88 95	
	1KS16ME076	SHARATH.S.YADAV			46	35	81 85	
					SIGNATURE OF GUIDE:			

*theoretical investigation
on heat transfer
characteristics of*

23	1KS16ME070	RISHI.R.NAIK	Mr. Ganesh A B	Phase Heat Transfer Inside Internally Helical Grooved Horizontal Small Diameter	59	40	99
	1KS16ME075	SHAIK MOINUDDIN			59	40	99
	1KS16ME057	PAVITHRA.B			55	35	90
					SIGNATURE OF GUIDE:		
24	1KS17ME423	NIKHIL GOWDA.N.S	Dr.Ajay Kumar	Manufacturing and experimental evaluation of the mechanical properties of flat hvbrid sandwich panels	42	30	72 85
	1KS17ME413	KIRAN.S			48	30	78 85
	1YD16ME104	MD.JUFFIKIR			48	30	78 85
	1KS17ME416	MAHADEVARAJU. H.E			48	30	78 85
					SIGNATURE OF GUIDE:		
25	1KS16ME098	VINAY.V.P	Mr. Parashuram	Thermal Management of Electronic Equipments Using Oscillating Heat Pipes with Binary Mixture of Working	60	40	100
	1KS16ME083	SIRISH GOVARDHAN			58	33	91
	1KS16ME101	ABHIJITH.C			56	35	91
	1KS16ME102	MADHU.G.K			56	35	91
					SIGNATURE OF GUIDE:		
26	1KS17ME425	PRATAP.L	Mr. K Prasad	Recycling of Waste Plastics.	59	35	94 97
	1KS17ME430	RAKESH.B.R			58	35	93
	1KS17ME408	GUHAN BHASKAR			59	35	94 97
	1KS17ME442	THRIVENI.M			59	20	79 95
					SIGNATURE OF GUIDE:		
27	1KS17ME431	RAKSHITH.L	Dr. Nagaprasad K S	Implimentation of Friction Less Breaking Sysytem.	52	35	87
	1KS17ME437	SRINIVASA.B.V			56	35	91
	1KS17ME440	SUSHMA.Y.S			50	25	75
	1KS17ME441	TEJAS.P.N			52	32	84
					SIGNATURE OF GUIDE:		
28	1KS16ME011	BHARATHKUMAR.P	Dr.Girish T R	Design and Fabrication of Wet Waste Disposed Food & Composting	60	40	100
	1KS16ME027	IMRAN KHAN			58	35	93
	1KS16ME055	PAPPU KUMAR SINGH			58	35	93
	1KS16ME032	JUNAID KHAN			58	35	93
					SIGNATURE OF GUIDE:		

29	1KS16ME064	PRANAV.J.ATHREY	Mr. Murulidhar K S	Design and fabrication of Pre heating Chamber For 4 Stroke Diesel Engine for Boi Diesel usage.	59	35	99
	1KS16ME060	PRAJWAL KRISHNA			59	30	89
	1KS16ME061	PRAKASH RAJU.S			59	35	99
	1KS16ME062	PRAMOD.R			59	35	94
				SIGNATURE OF GUIDE:			
30	1KS16ME030	JAYANTH.P	Mr. Murulidhar K S	Design and fabrication of fire extinguisher using sound waves.	48	30	78
	1KS16ME067	RAJKUMAR.S.K			48	35	83
	1KS16ME069	RAMESH PAL.P			AB		70
	1KS15ME015	BHARATH .R			48	35	83
				SIGNATURE OF GUIDE:			
31	1KS15ME028	HARITHUS.V	Mr. Manjunath B R	Design and fabrication of rocker Boogie mobility system for uneven surfaces.	59	34	93
	1KS15ME042	MAHANTESH			53	30	83
	1KS15ME046	MUTTURAJ V KESANUR			53	30	83
	1KS16ME0107	Sagar c			53	34	87
				SIGNATURE OF GUIDE:			
32	1KS16ME086	SUDARSHAN.T	Mr. Ranganath N	Pyrolysis of plastics to extract crude oil.	58	35	93
	1KS17ME401	ARUNKUMAR.E			60	35	95
	1KS17ME404	CHETHAN.C.R			58	32	90
	1KS17ME405	DARSHAN.H.R			58	35	93
				SIGNATURE OF GUIDE:			
33	1KS17ME409	GURUPRASAD.T.M	Mr. Kaushik M M	Design and fabrication of mini ground nut shelling machine.	35	35	70
	1KS17ME412	KANTHARAJU.K.N			53	35	88
	1KS17ME422	NAGESH.S			48	37	85
	1KS17ME426	PRATHEEK.P			49	39	88
				SIGNATURE OF GUIDE:			
34	1KS16ME401	AKSHAY ARAKERIMATH	Mr. Naresha K	Design and Fabrication of Mono Wheel using Recycled Automobile Engine.	52	30	82
	1KS16ME429	SOWMYA B			52	30	82
	1KS16ME 441	GOWTHAM PRASAD			54	35	89
	1KS17ME432	RAVI.K.R			52	30	82
				SIGNATURE OF GUIDE:			
35	1KS15ME052	RAKSHITH	Mr. Harish U	Design and Fabrication of wind up car	52	35	87
	1KS16ME430	SUNIL GOWDA			53	30	83
	1KS15ME109	MAHANIDHI			53	35	88
				SIGNATURE OF GUIDE:			

HoD Signature:

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

* Two paper will be ready

Batch NO.	USN	NAME OF THE STUDENT	NAME OF THE GUIDE	PROJECT WORK TITLE	RELEVANT PROGRAM OUTCOMES (PO) TO PROJECT WORK.	JUSTIFICATION
3	1KS16ME093	VARUN.C	Mr. Anil Kumar A	Design and Fabrication of Bio-Stove Using Bio Mass Briquettes as Fuel.	Design and development of solution (PO3) PO-7 can be mapped.	The Project work is related to development of new method for the Production of Bio stove used for domestic purpose using Bio Mass Briquettes and hence mapped to PO3
	1KS17ME406	DEEPAK.E				
	1KS17ME435	SHASHIKUMAR.C.R				
	1KS16ME105	RAKESH.B.R				

Note1: The Final year project work course in curriculum involves Following:

1. Application of Engineering Knowledge to Identify, Formulate and analyze the latest literature to select the problem and give substantial solution. Hence PO1 and PO2 strongly contribute.
2. Apply ethical principles to function effectively as individual and as a member in team. Hence this strongly maps to PO8 and PO9.
3. Communication of complex engineering activities to write effective reports and Make effectual presentation. Hence PO10 maps strongly.
4. Demonstration, understanding, management of engineering principles to one's Own work as a member in a team is important. Hence it strongly Maps to PO11.

Note2: Final Year Project work course requires effective communication, team work, entrepreneurial and computational skills. This will be evaluated as per the project rubrics framed during the Project presentations. Hence POS2 will be mapped strongly to all of the projects.

Guide Signature

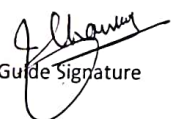
Head Signature
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 100

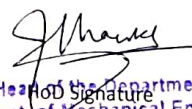
Batch NO.	USN	NAME OF THE STUDENT	NAME OF THE GUIDE	PROJECT WORK TITLE	RELEVANT PROGRAM OUTCOMES (PO) TO PROJECT WORK.	JUSTIFICATION
2	1KS16ME010	ASHWIN MAIYA.M	Mr. Umashankar M	Design and Fabrication Solid waste collector and water deforthing device	Design and development of solutions (PO3)/ Environment and Sustainability(PO7)	This Concept of project work deals with cleaning the Lake environment and maintenance, Hence strongly maps with PO3 and PO7.This project work maps to PSO1 as this is relevant to design of system to solve the real world set back in maintenance of the Lake environment.
	1KS16ME023	HARSHITH.S				
	1KS16ME038	M.VENKATESH KASHYAP				
	1KS16ME044	MANOJ.R				

Note1: The Final year project work course in curriculum involves Following:

1. Application of Engineering Knowledge to Identify, Formulate and analyze the latest literature to select the problem and give substantial solution. Hence **PO1** and **PO2** strongly contribute.
2. Modeling of complex engineering activities with appropriate modern engineering tools for better understanding. Hence **PO5** maps to all Project works Accordingly.
3. Apply ethical principles to function effectively as individual and as a member in team. Hence this strongly maps to **PO8** and **PO9**.
4. Communication of complex engineering activities to write effective reports and Make effectual presentation. Hence **PO10** maps strongly.
5. Demonstration, understanding, management of engineering principles to one's Own work as a member in a team is important. Hence it strongly maps to **PO11**.
6. The appropriate content in consideration is covered. Sources are cited when specific statements are made. The literature review goes from general idea to specific conclusions and the transition tie sections together. Hence it strongly maps to **PO12**.

Note2: Final Year Project work course requires effective communication, team work, entrepreneurial and computational skills. This will be evaluated as per the project rubrics during the Project presentations. Hence **PSO2** will be mapped strongly to all of the projects.


Guide Signature


Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.



K S INSTITUTE OF TECHNOLOGY BANGALORE
DEPARTMENT OF MECHANICAL ENGINEERING

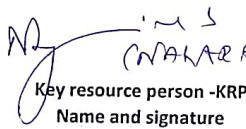
FINAL YEAR PROJECT PHASE-2 (Stage-1) PRESENTATION RUBRICS 2019-20

Instructions: 1. Students must fill in personal and project particulars before giving this form to the panel of evaluators.
2. Presentation time is 10 minutes. Q & A session is 5 minutes.

Student Name: ASHWIN MAIYA . M Student USN: 1KS16MED10
Project Title: DESIGN AND FABRICATION OF SOLID WASTE COLLECTOR & WATER DETROTHING DEVICE Date: 26/02/2020
Batch No. 2 Guide Name: Prof. M. UMASHANKAR
Panel: Please tick [V] accordingly for the marks in each criteria.

SUBJECT	MARKS
CO1: Demonstrate understanding on fundamental and technical knowledge	
Theoretical and Fundamental Knowledge	PO1 (Engineering Knowledge)
Excellent understanding on fundamental and theoretical that related to the project requirements	10 15
Fairly understanding on fundamental and theoretical that related to the project requirements	6 8
Poor understanding on fundamental and theoretical that related to the project requirements	3
Fail to provide understanding on fundamental and theoretical that related to the project requirements	0
Problem Analysis	PO2 (Problem Analysis)
Able to show clear understanding of the problem at hand and how the proposed solution can solve the problem	6 8 10
Fail to provide adequate level of explanation of the problem statement and fail to show how the proposed solution can solve the problem	0 2 4
Knowledge Articulation (literature survey and case studies)	PO12 (Lifelong Learning)
Able to apply with good explanation of the acquired knowledge	10 15
Able to apply with adequate explanation of the acquired knowledge	6 8
Able to apply with poor explanation of the acquired knowledge	5

Fail to apply any explanation of the acquired knowledge	0
CO2: Conduct Investigation based on the proposed research methodology	
<u>Design Development</u>	PO3 (Design/Development of Solutions)
Presents the executions of the project design with valid result	4 10
Presents the executions of the project design with limited result	2 3
Presents the minimal executions of the project design with no result	1
Fail to present the executions of the project design or present non-genuine project design	0
CO3: Communicate on project work	
<u>Ethics/ Individual and team work</u>	PO8 (Ethics)
Adherence to the rules and regulations of the department/ Engineering practices and excellent involvement in team work to complete the project work successfully	8 10
Moderately Adherence to the rules and regulations of the department/ Engineering practices and excellent involvement in team work to complete the project work successfully	4 6
Adherence is level is not as per the requirement to the rules and regulations of the department/ Engineering practices and excellent involvement in team work to complete the project work successfully	2
No Adherence is level is not as per the requirement to the rules and regulations of the department/ Engineering practices and excellent involvement in team work to complete the project work successfully	0
	Total marks obtained
	Max Marks 60



 (NAHARAJ MS)

 Key resource person -KRP

 Name and signature



 HoD Signature

 Head of the Department

 Dept. of Mechanical Engg.

 K.S. Institute of Technology

 Bengaluru - 560 109,

Batch: 02

K S INSTITUTE OF TECHNOLOGY BANGALORE DEPARTMENT OF MECHANICAL ENGINEERING	
FINAL YEAR PROJECT PHASE-2 (Stage-2) PRESENTATION RUBRICS 2019-20	
Instructions: 1. Students must fill in personal and project particulars before giving this form to the panel of evaluators. 2. Presentation time is 10 minutes. Q & A session is 5 minutes.	
Student Name 1: ASHWIN MAYA-M 1KS16ME010	Student Name 2: HARSHITH-S 1KS16ME023
Student Name 3: M. VENKATESH KASHYAP 1KS16ME038	Student Name 4: MAANIK R 1KS16ME044
Project Title: D/n & Fab. Solid Waste Collector & water defoaming device.	
Batch No. 2	Date: 21/5/2020.
Guide Name: MR. UMASHANKAR	
Panel: Please tick [✓] accordingly for the marks in each criteria.	
CO2: Conduct investigation based on the proposed research methodology	
Design Development	P03 (Design/Development of Solutions)
Presents the executions of the project design with valid result	S1: 8 ☒ 10 S2: 8 ☒ 10 S3: 8 ☒ 10 S4: 8 ☒ 10
Presents the executions of the project design with limited result	S1: 4 6 S2: 4 6 S3: 4 6 S4: 4 6
Presents the minimal execution of the project design with no result	S1: 2 0 S2: 2 0 S3: 2 0 S4: 2 0
Fail to present the executions of the project design or present non-genuine project design	S1: 0 0 S2: 0 0 S3: 0 0 S4: 0 0
CO4: Produce and demonstrate project management according to engineering practice. Modeling of complex engineering activities with appropriate modern engineering tools for better understanding.	P05 (Modern Tool usage)
Applied appropriate Techniques, resources and modern engineering tools to present the complex engineering activities for better understanding.	S1: 5 4 S2: 5 4 S3: 5 4 S4: 5 4
Moderately utilized modern engineering tools to present the results and discussion of project work.	S1: 3 2 S2: 3 2 S3: 3 2 S4: 3 2
Basic application of Modern engineering tools	S1: 1 0 S2: 1 0 S3: 1 0 S4: 1 0
No usage of Modern engineering tools	S1: 0 0 S2: 0 0 S3: 0 0 S4: 0 0
Analysis of Result • Use the appropriate analysis approaches to interpret the gathered data into sensible findings	P04 (Investigation)
Clear and extensive analysis	S1: 8 ☒ 10 S2: 8 ☒ 10 S3: 8 ☒ 10 S4: 8 ☒ 10
Acceptable analysis	S1: 4 6 S2: 4 6 S3: 4 6 S4: 4 6
Inadequate analysis	S1: 2 0 S2: 2 0 S3: 2 0 S4: 2 0
Fail to interpret the analysis of result	S1: 0 0 S2: 0 0 S3: 0 0 S4: 0 0
CO5: Suggest recommendations for sustainable development. Critical Discussion & Conclusion • Discuss the results by addressing the innovative aspects of the project, compare the finding with results from literature and possible reason for errors if any. • The conclusion should address the findings whether each objective has been achieved and how it was achieved.	P04 (Investigation)

able to provide critical discussion from the analysis and clearly conclude the findings	8	10	8	10	8	10	8	10
able to provide adequate discussion from the analysis and fairly conclude the findings	4	6	4	6	4	6	4	6
Fail to provide any discussion from the analysis and poorly conclude the findings	2	0	2	0	2	0	2	0
The Engineering and society		PO6 (The Engineering and society)						
Apply reasoning of the contextual knowledge to access the responsibilities relevant to the professional engineering practice	4	5	4	5	4	5	4	5
Understand reasoning of the contextual knowledge to access the responsibilities relevant to the professional engineering practice	3	2	3	2	3	2	3	2
No reasoning of the contextual knowledge to access the responsibilities relevant to the professional engineering practice	1	0	1	0	1	0	1	0
CO3: Communicate on project work through report and presentation								
Presentation Skill		PO10 (Communication)						
Delivers strengthens the impact of the talk and aids in audience reception. style fits learning pattern of audience. Verbal expression is clear, comprehensible, and articulate. Gestures and sustained eye contact engage the audience and reinforce the message. Presenter is well-prepared, in control of the material and responsive to feedback	8	10	8	10	8	10	8	10
Delivers is generally effective but does not significantly contribute to audience's experiences or understanding. Verbal expression is proficient but some inconsistency in skills may be observed. Presenter has clearly rehearsed the speech although some dependence on notes may prevent the speaker from wholly connecting with the audience	4	6	4	6	4	6	4	6
The delivery undermines or is noticeably inconsistent with the message. Non-verbal expression is distracting and may indicate lack of preparation. Presenter is unresponsive to the audience. demeanor is unprofessional and inappropriate	2	0	2	0	2	0	2	0
Attendance and Time Management		PO11 (Project Management)						
Attendance > 90% Great use of time. Ahead of meet schedules in Gantt Chart	5	4	5	4	5	4	5	4
Attendance > 70% Good use of time. Meet schedules in Gantt Chart	3	2	3	2	3	2	3	2
Attendance > 50% Sometimes use time well. Fairly meet schedules in Gantt Chart	1	1	1	1	1	1	1	1
Attendance < 50% Did not use time well. Fail to meet schedule in Gantt Chart	0	0	0	0	0	0	0	0
Paper Presented /Project presented in different competitions.		PO12 (Life long learning)						
Paper is presented in conference and selected as best paper and Project is presented in project competition and get first prize	5	4	5	4	5	4	5	4
Paper is presented in conference and selected as best paper or Project is presented in project competition and get any prize	3	2	3	2	3	2	3	2
Paper is presented in conference but not selected as best paper. Project is presented in project competition but not get any prize	1	1	1	1	1	1	1	1
Paper is not presented in any conference or journal. Project is not presented in any project competition	0	0	0	0	0	0	0	0
EVALUATOR 1	NK	EVALUATOR 2	US	EVALUATOR 3	LN	EVALUATOR 4		
	<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>	
S1-TOTAL=		S2-TOTAL=		S3-TOTAL=		S4-TOTAL=		
56/60		56/60		56/60		56/60		

Batch: 03

K. J. SOMAIYA INSTITUTE OF TECHNOLOGY BANGALORE DEPARTMENT OF MECHANICAL ENGINEERING	
FINAL YEAR PROJECT PHASE-2 (Stage-2) PRESENTATION RUBRICS 2019-20	
Instructions: 1. Students must fill in personal and project particulars before giving this form to the panel of evaluators. 2. Presentation time is 10 minutes. Q & A session is 5 minutes.	
Student Name 1: <u>VARUNC</u> <u>1KSI6ME093</u>	Student Name 2: <u>DEEPAK E</u> <u>1KSI6ME406</u>
Student Name 3: <u>SHASHIKUMAR C</u> <u>1KSI7ME435</u>	Student Name 4: <u>Rajesh B R</u> <u>1KSI6ME105</u>
Project Title: <u>D/n & Fab. of Bio Stone using Biomim Bricks as fuel.</u>	
Batch No. <u>3</u>	Date: <u>21/05/2020</u>
Guide Name: <u>Mr. ANIL KUMAR P</u>	
Panel: Please tick [✓] accordingly for the marks in each criteria.	
CO2: Conduct investigation based on the proposed research methodology	
Design Development	PO3 (Design/Development of Solutions)
Presents the excavations of the project design with valid result	S1 ☒ 8 ☐ 10 S2 ☒ 8 ☐ 10 S3 ☒ 8 ☐ 10 S4 ☒ 8 ☐ 10
Presents the excavations of the project design with limited result	☒ 4 ☐ 6 ☒ 4 ☐ 6 ☒ 4 ☐ 6 ☒ 4 ☐ 6
Presents the minimal excavations of the project design with no result	2 2 2 2
Fail to present the excavations of the project design or present non-genuine project design	0 0 0 0
CO4: Prepare and demonstrate project management according to engineering practice. Modeling of complex engineering activities with appropriate modern engineering tools for better understanding.	PO5 (Modern Tool usage)
Applied appropriate Techniques, resources and modern engineering tools to present the complex engineering activities for better understanding	☒ 5 ☐ 4 ☒ 5 ☐ 4 ☒ 5 ☐ 4 ☒ 5 ☐ 4
Modernized around modern engineering tools to present the results and discussion of project work	☐ 3 ☐ 2 ☐ 3 ☐ 2 ☐ 3 ☐ 2 ☐ 3 ☐ 2
Basic application of Modern engineering tools	☐ 1 ☐ 1 ☐ 1 ☐ 1
No usage of Modern engineering tools	0 0 0 0
Analysis of Result • Use the appropriate analysis approach(es) to interpret the gathered data into sensible findings	PO4 (Investigation)
Clear and extensive analysis	☒ 8 ☐ 10 ☒ 8 ☐ 10 ☒ 8 ☐ 10 ☒ 8 ☐ 10
Acceptable analysis	☐ 4 ☐ 6 ☐ 4 ☐ 6 ☐ 4 ☐ 6 ☐ 4 ☐ 6
Inadequate analysis	2 2 2 2
Fail to attempt the analysis of result	0 0 0 0
CO5: Suggest recommendations for sustainable development. Critical Discussion & Conclusion • Discuss the results by addressing the innovative aspects of the project, compare the finding with results from literature and possible reason for errors if any. • The conclusion should address the findings whether each objective has been achieved and how it was achieved	PO4 (Investigation)

Ability to provide critical discussion from the results and clearly state the findings Ability to provide adequate discussion from the question and clearly state the findings Fail to provide any discussion from the question and provide incorrect findings	8 4 2	10 6 0	8 4 2	10 6 0	8 4 2	10 6 0	
The Engineering and society							
Apply engineering of the context: Knowledge to assess the responsibilities relevant to the professional engineering practice Understand engineering of the context: Knowledge to assess the responsibilities relevant to the professional engineering practice Fail to understand of the context: Knowledge to assess the responsibilities relevant to the professional engineering practice	4 2 1	5 2 0	4 2 1	5 2 0	4 2 1	5 2 0	
PO10 (The Engineering and society)							
CO3: Communication on project work through report and presentation							
Presentation Skill				PO10 (Communication)			
Delivers, throughout the entirety of the talk and asks in audience, reception, style fits learning pattern of audience. Verbal expression is clear, comprehensible, and articulate. Nonverbal expression is clear, confident, and engaging. Presenter is well prepared, in control of the material and responsive to feedback.				8 10			
Delivers, is generally effective, but does not significantly contribute to audience's experience or understanding. Verbal expression is proficient but some inconsistency in skills may be observed. Presenter has clearly rehearsed the speech although some dependence on notes may prevent the speaker from fully connecting with the audience.				4 6			
Delivers, is generally ineffective or is noticeably inconsistent with the message. Nonverbal expression is distracting and may indicate lack of preparation. Presenter is inconsistent in the audience, discussion is unprofessional and inappropriate.				2 0			
Attendance and Time Management				PO11 (Project Management)			
Attendance: 100% Great use of time. Ahead of meet schedule in Gantt Chart				4 4			
Attendance: 75% Good use of time. Meet schedule in Gantt Chart				3 2			
Attendance: 50% Sometimes use time well. Early meet schedule in Gantt Chart				1 1			
Attendance: 25% Did not use time well. Fail to meet schedule in Gantt Chart				0 0			
Paper Presented/Project presented in different competitions.				PO12 (Life long learning)			
Paper is presented in conference and selected as best paper. Project is presented in project competition and got first prize				5 4			
Paper is presented in conference and selected as best paper. Project is presented in project competition and got any prize				3 2			
Paper is presented in conference but not selected as best paper. Project is presented in project competition but not got any prize				1 1			
Paper is not presented in any conference or journal. Project is not presented in any project competition				0 0			
EVALUATOR 1	EVALUATOR 2	EVALUATOR 3	EVALUATOR 4	S1-TOTAL=	S2-TOTAL=	S3-TOTAL=	S4-TOTAL=
NSK	NSK	NSK	NSK	45/60	45/60	45/60	45/60

K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

The Following are the Final year Students Project work Batch details of the year 2019-20 and Marks list batch wise.

Batch No.	USN	NAME OF THE STUDENT	GUIDE name and signature	Project work title	Guide evaluation marks (40 Marks)		Panel evaluation Marks (60 Marks)		Total Marks (100)
1	KS16ME438	VISHWANTH B NAIK	Mr. Nagaprasad K S	Emission reduction of Diesel engine by using the DPF, DOL and injecting diesel exhaust fuel in exhaust pipes.	10+10+9+10	39	12+12+15+15	54	93
	KS16ME412	MOHAN S			10+10+10+10	40	12+12+15+15	54	94
	KS16ME018	CHETAN KUMAR M			10+10+9+10	39	12+12+15+15	54	93
	KS16ME408	HANAMANTHAPPA			10+10+9+10	39	12+12+12+12	48	87
2	KS16ME010	ASHWIN MAIYA.M	Mr. Umashankar M	Design and Fabrication Solid waste collector and water deforthing device	10+10+8+10	38	15+15+15+12	57	95
	KS16ME023	HARSHITH.S			8+10+8+10	36	15+15+15+15	60	96
	KS16ME038	M.VENKATESH KASHYAP			8+8+8+10	34	15+15+15+15	60	94
	KS16ME044	MANOJ.R			10+8+8+10	36	15+15+15+15	60	96
3	KS16ME093	VARUN.C	Mr. Anil Kumar A	Design and Fabrication of Bio-Stove Using Bio Mass Briquettes as Fuel.	10+8+8+10	36	12+12+15+12	51	87
	KS17ME406	DEEPAK.E			10+10+10+10	40	12+12+15+12	51	91
	KS17ME435	SHASHIKUMAR.C.R			10+8+10+10	38	12+12+15+12	51	89
	KS16ME105	RAKESH.B.R			8+8+8+8	32	12+12+15+12	51	83
4	KS16ME004	ABHILASH.S	Mr. Nagabhushan	Effect of machining parameters on surface finish steel material	10+10+10+10	40	12+15+12+15	54	94
	KS16ME006	ABHISHEK PAREEK			10+10+10+10	40	15+12+15+12	54	94
	KS16ME031	JAYDEEP.B			10+10+10+10	40	15+15+12+12	54	94
	KS16ME026	HITESH.C.S			10+10+10+10	40	15+15+12+12	54	94

5	1KS17ME420	MOHAN KUMAR.C	Mr. Harish U	Enhancing the life of gas turbine blades by altering the composition of coating material and substrate with	10+10+10+8	38	12+12+9+9	42	80
	1KS17ME419	MITHUN.S			10+10+10+8	38	12+12+9+9	42	80
	1KS17ME410	GURUSWAMY.H			10+10+10+10	40	12+12+9+9	42	82
6	1KS15ME048	RAMA KRISHNA .N	Dr.Ajay Kumar	Wave power conversion using a bi-directional flow turbine	10+10+8+10	38	12+15+12+15	54	92
	1KS15ME058	R. THEJAS			10+10+8+10	38	12+15+12+15	54	92
	1KS15ME098	THEJAS CHANDRA K N			10+10+8+10	38	12+15+12+15	54	92
	1KS16ME029	JAGADISH.P.SHETTI			10+10+8+10	38	12+15+12+15	54	92
7	1KS17ME434	SHASHANK.Y.K	Dr.Girish T R	Investigation of mechanical properties of hybrid reinforced composites.	10+8+10+8	36	12+12+12+12	48	84
	1KS17ME417	MAHESH.D			8+10+8+10	36	12+12+12+12	48	84
	1KS17ME418	MANISH.N.D			8+10+8+10	36	12+12+12+12	48	84
	1KS17ME444	VINAY.S			10+8+10+8	36	12+12+12+12	48	84
8	1KS16ME089	SUMESH.R	Mr. Anilkumar A	Propulsion of Turbojet Engine Using Hydrogen Extracted from HHO Generator.	10+10+10+10	40	15+15+12+12	54	94
	1KS16ME090	SUPREETH.K.R			10+10+10+10	40	15+15+12+12	54	94
	1KS16ME082	SHIVASHANKAR.B.M			10+10+10+10	40	15+15+15+15	60	100
	1KS16ME085	SREEKARA.K.B			10+10+10+10	40	15+15+15+15	60	100
9	1KS16ME009	ASHOK KUMAR KARMALI	Mr.Manjunath K V	Design and fabrication of Automatic Stair Climbing Wheel Chair	10+8+8+8	34	12+12+15+15	54	88
	1KS16ME036	KIRAN PRAKASH AKOLKAR			10+8+10+8	36	12+12+15+15	54	90
	1KS16ME021	HARSHA.S			10+10+8+8	36	12+12+15+15	54	90
	1KS16ME007	ABHISHEK RaJ			10+10+8+8	36	12+12+15+15	54	90
10	1KS16ME014	CHANDAN KUMAR.N.P	Mr. Bharath kumar KR	Design and fabrication pneumatic scissor lift for loading and unloading.	8+10+10+10	38	12+15+12+12	51	89
	1KS16ME024	HEMANTH.R			8+10+10+10	38	12+15+12+12	51	89
	1KS16ME040	MADAN.S			8+10+10+10	38	12+15+12+12	51	89
	1KS15ME110	PRAJWAL URS.P			8+10+10+10	38	12+15+12+12	51	89

[illegible]

17	1KS16ME054	P.VIGNESH	Mr. K Prasad	Design and Fabrication of Semi-Automatic Sprinkler.	10+10+10+10	40	15+12+15+12	54	94
	1KS16ME002	ABHIJEETH.B.BHAT			10+10+10+10	40	12+12+15+15	54	94
	1KS16ME084	SOWJANYA.D			10+10+10+10	40	15+15+12+15	57	97
	1KS16ME097	VINAY.B.V			10+10+10+10	40	12+15+12+15	54	94
18	1KS16ME008	AMOGHA.M.KEKUDA	Mr. Naresha K	Design and Analysis of Heat Sink with Fins of Different Configuration.	10+8+8+8	34	15+15+15+15	60	94
	1KS16ME045	MOHAMMED YASIR RIAZ			10+8+8+8	34	15+15+15+15	60	94
	1KS16ME035	KAUSHIK.K.H			10+8+10+10	38	15+15+15+15	60	98
19	1KS16ME016	DEEPAK.R.GOWDA	Mrs. Nirmala L	Effect of Preoxidation on Nitrocarburizing of Low or Medium Carbon Steel	10+10+10+10	40	12+12+15+15	54	94
	1KS16ME025	HEMANTH KUMAR.D.L			10+10+10+10	40	15+15+12+12	54	94
	1KS16ME096	VIJAYKUMARNAIK.T.C			10+10+10+10	40	15+15+12+12	54	94
	1KS16ME099	VINITH.P			10+10+8+10	38	15+15+12+12	54	92
20	1KS16ME095	VIJAYA KUMAR.M.S	Mrs.Sree Sudha	Fabrication of Soil Scraper for Coconut Trees	8+10+10+10	38	12+15+12+12	51	89
	1KS16ME094	VASANTH KUMAR.S			10+10+10+10	40	12+15+12+12	51	91
	1KS16ME087	SUDHARSHAN.M.D			10+10+10+10	40	12+15+12+12	51	91
	1KS16ME028	IRANNA CHANABASAPPA TEL			10+10+10+10	40	12+15+12+12	51	91
21	1KS16ME019	HARISH HADIMANI	Mr. Madhu	Design and fabrication and Performance Analysis of Nut Separator from the Cashew Fruit.	8+8+8+8	32	15+15+15+12	57	89
	1KS16ME048	NAGARJUN.S			8+8+8+10	34	15+15+15+12	57	91
	1KS16ME081	SHIVARAJ.N.S			10+10+10+10	40	15+15+15+12	57	97
	1KS16ME100	VITHAN.T.R			8+8+8+8	32	15+15+15+12	57	89
22	1KS16ME058	PECHU MUTHU.S	Mr. Gautham S	Design and Automation of Nutrient Feed System to Enhance Growth Rate In Hydroponics.	10+10+9+9	38	15+15+15+15	60	98
	1KS16ME063	PRAMOD RAJ.K			9+7+7+7	30	15+15+15+15	60	90
	1KS16ME073	SAGAR.N			10+10+8+8	36	15+15+15+15	60	96
	1KS16ME076	SHARATH.S.YADAV			8+8+9+9	34	15+15+15+15	60	94
23	1KS16ME070	RISHI.R.NAIK	Mr. Ganesh A B	Phase Heat Transfer Inside Internally Helical Grooved Horizontal Small Diameter Tubes.	10+10+10+10	40	15+15+15+15	60	100
	1KS16ME075	SHAIK MOINUDDIN			10+10+10+10	40	15+15+15+15	60	100
	1KS14ME046	MANISH.N			10+10+10+10	40	15+15+12+12	57	97
	1KS16ME057	PAVITHRA.B			10+10+10+10	40	15+15+12+12	57	97

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30	1KS16ME030	JAYANTH.P	Mr. Murulidhar K S	Design and fabrication of fire extinguisher using sound waves.	8+8+8+6	30	12+12+9+9	42	72
	1KS16ME067	RAJKUMAR.S.K			8+8+8+6	30	12+12+9+9	42	72
	1KS16ME069	RAMESH PAL.P			8+8+8+6	30	12+12+9+9	42	72
	1KS15ME015	BHARATH .R			8+8+8+6	30	12+12+9+9	42	72
31	1KS15ME028	HARITHUS.V	Mr.Manjunath B R	Design and fabrication of rocker Boogie mobility system for uneven surfaces.	9+10+10+10	39	15+12+15+12	54	93
	1KS15ME042	MAHANTESH			10+10+8+9	37	12+12+9+12	45	82
	1KS15ME046	MUTTURAJ V KESANUR			10+10+9+8	37	12+9+12+9	42	79
	1YD16ME010	Sagar c			9+9+8+8	34	12+9+12+9	42	76
32	1KS16ME086	SUDARSHAN.T	Mr.Ranganath N	Pyrolysis of plastics to extract crude oil.	9+9+9+10	37	12+12+9+9	42	79
	1KS17ME401	ARUNKUMAR.E			10+10+9+10	39	12+12+9+9	42	81
	1KS17ME404	CHETHAN.C.R			10+9+9+10	38	12+12+9+9	42	80
	1KS17ME405	DARSHAN.H.R			9+9+10+9	37	12+12+9+9	42	79
33	1KS17ME409	GURUPRASAD.T.M	Mr.Kaushik M M	Design and fabrication of mini ground nut shelling machine.	10+8+10+8	36	12+12+12+12	48	84
	1KS17ME412	KANTHARAJU.K.N			10+8+10+8	36	12+12+12+12	48	84
	1KS17ME422	NAGESH.S			8+10+8+10	36	12+12+12+12	48	84
	1KS17ME426	PRATHEEK.P			10+10+8+10	38	12+12+12+12	48	86
34	1KS16ME401	AKSHAY ARAKERIMATH	Mr.Naresha K	Design and Fabrication of Mono Wheel using Recycled Automobile Engine.	10+8+8+8	34	12+12+12+9	45	79
	1KS16ME429	SOWMYA B			10+8+8+8	34	15+12+12+12	51	85
	1KS16ME 441	GOWTHAM PRASAD			10+8+8+8	34	15+12+15+15	57	91
	1KS17ME432	RAVI.K.R			10+8+8+8	34	12+12+12+9	45	79
35	1KS15ME052	RAKSHITH	Mr. Harish U	Design and Fabrication of wind up car	8+8+8+8	32	12+12+12+9	45	77
	1KS16ME430	SUNIL GOWDA			10+8+8+8	34	12+12+12+9	45	79
	1KS15ME109	MAHANIDHI			10+10+8+8	36	12+12+12+9	45	81

Leei

J. Shankar
20/12/2019
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

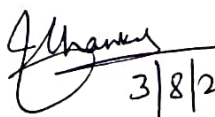
K S INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Date 03.08.2020

As per the directions of SPP coordinator the department of Mechanical Engineering is submitting the following for KSCST projects 2019-20.

1. Project report soft and hardcopy of the full report.
2. Summary of the project

SL N O.	PROJEC T REF NO.	PROJECT TITLE	BRANC H	DEG REE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	Signatur e of the SPP coordinat or
1	43S_BE_1306	PROPULSION OF TURBOJET ENGINE USING HYDROGEN EXTRACTED FROM HHO GENERATOR.	Mechanical Engineering	B.E.	Stream A	Mr. Anilkumar A	Mr. SREEKARA.K.B Mr. SHIVASHANKAR.B.M Mr. SUMESH.R Mr. SUPREETH.K.R	
2	43S_BE_1307	DESIGN AND FABRICATION OF SOLID WASTE COLLECTOR AND DEFROTHING LAKE FILTRATION VEHICLE	Mechanical Engineering	B.E.	Stream A	Prof. Umashankar M	Mr. M.VENKATESH KASHYAP Mr. ASHWIN MAIYA.M Mr. HARSHITH.S Mr. MANOJ.R	
3	43S_BE_1310	DESIGN AND AUTOMATION OF NUTRIENT FEED SYSTEM TO ENHANCE GROWTH RATE IN HYDROPONICS	Mechanical Engineering	B.E.	Stream A	Mr. Gautham S	Mr. PECHU MUTHU.S Mr. PRAMOD RAJ.K Mr. SAGAR.N Mr. SHARATH.S.YADAV	
4	43S_BE_3377	EMISSION REDUCTION OF DIESEL ENGINE BY USING THE DPF, DOC AND INJECTING DIESEL EXHAUST FLUID IN EXHAUST PIPE	Mechanical Engineering	B.E.	Stream B	Dr. Nagaprasad K S	Mr. VISHWANATHA B NAIK Mr. CHETAN M KUMAR Mr. HANAMANTHAPPA	


3/8/2020
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Associate Professor
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43rd Series of Student Project Programme: 2019-20

LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

79) K.S. INSTITUTE OF TECHNOLOGY, BENGALURU

SL NO.	PROJECT REF NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (IN RS.)	STATUS OF THE PROJECT WORK
1	43S_BE_1306	PROPULSION OF TURBOJET ENGINE USING HYDROGEN EXTRACTED FROM HHO GENERATOR.	Mechanical Engineering	B.E.	Stream A	Mr. Anilkumar A	Mr. SREEKARA.K.B Mr. SHIVASHANKAR.B.M Mr. SUMESH.R Mr. SUPREETH.K.R	5500.00	The model has been fabricated and working satisfactorily, however extension testing will be done in one week
2	43S_BE_1307	DESIGN AND FABRICATION OF SOLID WASTE COLLECTOR AND DEFROTHING LAKE FILTRATION VEHICLE	Mechanical Engineering	B.E.	Stream A	Prof. Umashankar M	Mr. M.VENKATESH KASHYAP Mr. ASHWIN MAIYA.M Mr. HARSHITH.S Mr. MANOJ.R	5500.00	The model has been fabricated and however in a week testing will be done.
3	43S_BE_1310	DESIGN AND AUTOMATION OF NUTRIENT FEED SYSTEM TO ENHANCE GROWTH RATE IN HYDROPONICS	Mechanical Engineering	B.E.	Stream A	Mr. Gautham S	Mr. PECHU MUTHU.S Mr. PRAMOD RAJ.K Mr. SAGAR.N Mr. SHARATH.S.YADAV	5000.00	The model has been fabricated and automation to be done which needs one week time
4	43S_BE_3377	EMISSION REDUCTION OF DIESEL ENGINE BY USING THE DPF, DOC AND INJECTING DIESEL EXHAUST FLUID IN EXHAUST PIPE	Mechanical Engineering	B.E.	Stream B	Dr. Nagaprasad K S	Mr. VISHWANATHA B NAIK Mr. CHETAN M KUMAR Mr. HANAMANTHAPPA	6500.00	All the test runs were conducted and the result analysis has been completed and optimized condition were suggested in conclusion

[Signature]
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