

PROJECT REPORT

On

KEYWAY CUTTING ON LATHE MACHINE

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

BY

GROUP-1



DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002) ODISHA (INDIA)

PROJECT EVALUATION

SL NO.	Performance criteria	Mark Obtained					Full mark
		F21-4002	F21-4003	F21-4004	F21-4005		
1.	Selection project assignment	05	05	05	05		05
2.	Planning and execution of consideration	05	05	05	05		05
3.	Quality of performance	10	10	10	09		10
4.	Providing solution of the problem or production of final product	09	09	09	09		10
5.	Sense of responsibility	07	07	07	09		10
6.	Self-execution/ /communication/presentations skill	08	08	07	07		10
7.	Interpersonal skill/human relation	06	06	07	08		10
8.	Report writing skill	17	17	17	17		20
9.	Viva voice	13	15	13	17		20
	Total	80	82	80	86		100


 03/05/24
 H.O.D.

Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

3 AXIS CNC ROUTER MACHINE

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

Group-2



DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

Project Evaluation

SL.NO	Performance Criteria	Mark obtained				
		F21-4007	F21-4008	F21-4010	F21-4011	F21-4012
1	Selection Project Assignment	05	05	05	05	05
2	Planning and execution of consideration	05	05	05	05	05
3	Quality of performance	10	10	10	10	10
4	Providing solution of the problem or production of final product	09	09	09	09	09
5	Sense of responsibility	07	07	08	07	08
6	Self Execution/Communication/Presentation skill	08	08	08	08	08
7	Interpersonal skill/Human relation	06	06	07	06	08
8	Report writing skill	17	17	17	17	17
9	Viva Voce	15	13	19	17	18
	Total	82	80	88	84	86

Handwritten Signature
03/05/24
H.O.D.

Dept. of Mechanical Engg.
Govt. Polytechnic Bolangir

PROJECT REPORT

On

Bio – Diesel from waste cooking oil

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

GROUP-3



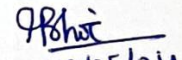
DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

Project Evaluation

SL.NO	Performance Criteria	F21-4013	F21-4014	F21-4016	F21-4017	F21-4018
1	Selection Project Assignment	05	05	05	05	05
2	Planning and execution of consideration	05	05	05	05	05
3	Quality of performance	07	08	08	08	08
4	Providing solution of the problem or production of final product	07	08	09	05	09
5	Sense of responsibility	04	08	08	08	08
6	Self Execution/Communication/Presentation skill	05	08	08	08	08
7	Interpersonal skill/Human relation	04	07	08	08	07
8	Report writing skill	10	13	13	13	13
9	Viva Voce	05	15	13	12	14
	Total	52	80	80	79	80


 03/05/24
 H.O.D.

Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

3D SCANNER

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfillment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

Group-4



DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

Project Evaluation

Mark Obtain							
SL.NO	Performance Criteria	F21-4023	L22-4001	L22-4003	L22-4004	L22-4013	Full mark
1	Selection Project Assignment	05	05	05	05	05	05
2	Planning and execution of consideration	05	05	05	05	05	05
3	Quality of performance	10	09	09	09	09	10
4	Providing solution of the problem or production of final product	10	09	09	09	09	10
5	Sense of responsibility	10	08	09	07	09	10
6	Self Execution/Communication/Presentation skill	09	05	07	07	07	10
7	Interpersonal skill/Human relation	10	04	08	08	08	10
8	Report writing skill	19	17	17	15	17	20
9	Viva Voce	20	13	18	13	18	20
	Total	98	75	87	78	87	100

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H.O.D.

Dept. of Mechanical Engg.
Govt. Polytechnic Bolangir

PROJECT REPORT

On

2 SPEED GEARBOX MECHANISM

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

Group-5



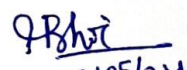
DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

PROJECT EVALUATION

SL.NO	Performance Criteria	F21-4024	F21-4026	F21-4027	F21-4029	Full mark
1	Selection Project Assignment	05	05	05	05	5
2	Planning and execution of consideration	05	05	05	05	5
3	Quality of performance	08	08	08	09	10
4	Providing solution of the problem or production of final product	07	07	07	07	10
5	Sense of responsibility	07	07	07	08	10
6	Self-Execution/Communication/Presentation skill	08	08	07	05	10
7	Interpersonal skill/Human relation	07	07	07	04	10
8	Report writing skill	15	16	16	10	20
9	Viva Voce	13	15	15	07	20
	Total	75	78	77	60	100


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Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

MINI JET ENGINE

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

Group- 6



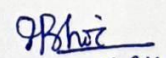
DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

PROJECT EVALUATION

MARK OBTAINED							
SL. NO	Performance criteria	F2111000 - 4030	F2111000 - 4034	F2111000 - 4035	F2211000 - 4036	F2111000 - 4037	FULL MARKS
1	Selection project assignment	05	05	05	05	05	05
2	Planning and execution of consideration	05	05	05	05	05	05
3	Quality of performance	10	08	10	09	09	10
4	Providing solution of the problem or production of final product	10	07	09	07	07	10
5	Sense of responsibility	10	07	08	08	08	10
6	Self-execution/communication/presentation skill	10	08	04	04	05	10
7	Interpersonal skill/human relation	09	07	04	04	04	10
8	Report writing skill	19	15	10	10	10	20
9	Viva voce	20	10	05	08	07	20
	Total	98	72	60	60	60	100


 03-05-24
 H.O.D.

Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

POND GARBAGE CLEANER

Submitted to

**DEPARTMENT OF MECHANICAL ENGINEERING
GOVERNMENT POLYTECHNIC, BALANGIR**

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

BY

GROUP-7



**DEPARTMENT OF MECHANICAL ENGINEERING
GOVERNMENT POLYTECHNIC, BALANGIR (767002)
ODISHA (INDIA)**

PROJECT EVALUATION

SL NO.	Performance criteria	Mark Obtained					
		F21-4038	F21-4039	F21-4040	F21-4041	F21-4044	Full mark
1.	Selection project assignment	05	05	05	05	05	05
2.	Planning and execution of consideration	05	05	05	05	05	05
3.	Quality of performance	09	09	10	10	10	10
4.	Providing solution of the problem or production of final product	09	09	09	09	09	10
5.	Sense of responsibility	08	08	08	07	08	10
6.	Self-execution/ /communication/presentations skill	05	05	08	08	08	10
7.	Interpersonal skill/human relation	04	04	08	06	07	10
8.	Report writing skill	17	15	17	17	17	20
9.	Viva voice	13	10	18	13	19	20
	Total	75	68	88	80	88	100

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03/05/24
H.O.D.

Dept. of Mechanical Engg.
Govt. Polytechnic Bolangir

PROJECT REPORT

On

A SLIDING STAND FOR ANGLE GRINDER CUTTER MACHINE

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

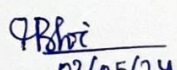
Group-8



DEPARTMENT OF MECHANICAL ENGINEERING
GOVERNMENT POLYTECHNIC, BALANGIR (767002)
ODISHA (INDIA)

Project Evaluation

Mark Obtain							
SL.NO	Performance Criteria	F21-4045	F21-4047	F21-4048	F21-4050	F21-4052	Full mark
1	Selection Project Assignment	05	05	05	05	05	5
2	Planning and execution of consideration	08	05	05	05	05	5
3	Quality of performance	07	10	08	10	08	10
4	Providing solution of the problem or production of final product	07	09	07	09	07	10
5	Sense of responsibility	07	09	07	08	07	10
6	Self-Execution/Communication/Presentation skill	08	09	08	08	07	10
7	Interpersonal skill/Human relation	07	08	07	08	08	10
8	Report writing skill	13	19	15	18	16	20
9	Viva Voce	11	18	13	18	15	20
	Total	71	93	75	90	78	100


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 Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

GEAR BASED QUICK RETURN MECHANISAM

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

Group-10



DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

PROJECT EVALUATION

MARK OBTAINED							
SL. NO	Performance criteria	L2211000 - 4006	L2211000 - 4008	L2211000 - 4009	L2211000 - 4010	L2211000 - 4011	FULL MARKS
1	Selection project assignment	05	05	05	05	05	05
2	Planning and execution of consideration	05	05	05	05	05	05
3	Quality of performance	09	09	10	09	09	10
4	Providing solution of the problem or production of final product	09	09	09	09	09	10
5	Sense of responsibility	09	09	07	08	08	10
6	Self-execution/communication/ presentation skill	08	07	08	05	05	10
7	Interpersonal skill/human relation	08	08	06	04	04	10
8	Report writing skill	17	17	17	17	17	20
9	Viva voce	16	17	15	10	12	20
	Total	86	86	82	72	70	100


 03/05/24
 H.O.D.

Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

HYDROELECTRIC POWER PLANT

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

Group-11



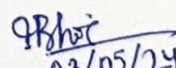
DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

Project Evaluation

MARK OBTAINED							
SL. NO	Performance Criteria	F2111000 4020	F211100040 21	L2211000 - 4012	L2211000 - 4014	L2211000 - 4016	FULL MARKS
1	Selection Project Assignment	05	05	05	05	05	05
2	Planning and execution of consideration	05	05	05	05	05	05
3	Quality of performance	08	08	08	08	09	10
4	Providing solution of the problem or production of final product	08	07	08	08	09	10
5	Sense of responsibility	08	04	08	08	08	10
6	Self Execution/Communication/Presentation skill	08	05	08	08	09	10
7	Interpersonal skill/Human relation	08	04	07	07	08	10
8	Report writing skill	18	10	17	17	17	20
9	Viva Voce	17	05	17	18	18	20
	Total	84	53	82	83	86	100


 03/05/24
 H.O.D.
 Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir

PROJECT REPORT

On

DOUBLE ACTING SINGLE CYLINDER RECIPROCATING PUMP

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR

In partial fulfilment of curricular requirement for

PROJECT WORK

In

MECHANICAL ENGINEERING

By

GROUP-12



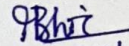
DEPARTMENT OF MECHANICAL ENGINEERING

GOVERNMENT POLYTECHNIC, BALANGIR (767002)

ODISHA (INDIA)

Project Evaluation

SL.NO	Performance Criteria	L22110004017	L22110004018	L22110004019	Full Marks
1	Selection Project Assignment	05	05	05	05
2	Planning and execution of consideration	05	05	05	05
3	Quality of performance	08	08	08	10
4	Providing solution of the problem or production of final product	07	07	07	10
5	Sense of responsibility	07	07	07	10
6	Self-Execution /Communication/ Presentation skill	08	07	08	10
7	Interpersonal skill/Human relation	07	07	07	10
8	Report writing skill	13	16	15	20
9	Viva Voce	10	14	13	20
	Total	70	76	75	


 03/05/24
 H.O.D.
 Dept. of Mechanical Engg.
 Govt. Polytechnic Bolangir